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LIST OF TECHNICAL WORKERS IN THE DEPARTMENT OF AGRICULTURE

AND

OUTLINE OF DEPARTMENT FUNCTIONS

1930

MISCELLANEOUS PUBLICATION No. 93

UNITED STATES
DEPARTMENT OF AGRICULTURE
WASHINGTON, D. C.

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1930

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Personnel and Business Administration

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KEY TO ABREVIATIONS

Abstr., Abstractor.
Acct., Accounts, Accountant.
Activ., Activities.
Admin., Administration, Administrative, Administrator.
Agr., Agricultural, Agriculturist.
Agron., Agronomist.
Agt., Agent.
An., Animal.
Apicult., Apicultural, Apiculturist.
Arbor., Arboriculture, Arboriculturist.
Assoc., Associate, Association.
Asst., Assistant.
Atty., Attorney.
Aud., Auditor, Auditing.
Bact., Bacteriology, Bacteriological, Bacteriologist.
Bibl., Bibliography, Bibliographical, Bibliographer.
Biochem., Biochemical, Biochemist.
Biol., Biological, Biologist.
Biophys., Biophysical, Biophysicist.
Bot., Botany, Botanical, Botanist.
Bur., Bureau.
Bus., Business.
Chem., Chemistry, Chemical, Chemist.
Co., County.
Coll., College.
Collab., Collaborator.
Comn., Commission.
Comr., Commissioner.
Conserv., Conservation.
Const., Construction.
Consult., Consulting, Consultant.
Coop., Cooperation, Cooperative, Cooperator.
Cytol., Cytological, Cytologist.
Dem., Demonstration.
Dendrol., Dendrologist.
Dep., Deputy.
Dept., Department.
Dir., Director.
Dist., District.
Div., Division.
Drain, Drainage.
Ecol., Ecologist.
Econ., Economic, Economics, Economist.
Ed., Editorial, Editor.
Engr., Engineer, Engineering.
Ent., Entomology, Entomological, Entomologist.
Equip., Equipment.
Erad., Eradication.
Exam., Examiner.
Exec., Executive.
Exp., Experiment, Experimental.
Expl., Explorer.
Ext., Extension.
Fert., Fertilizers, Fertility.
For., Forest, Forestry, Forester.
Forecr., Forecaster.
Geol., Geologist, Geological.
Hdqrs., Headquarters.
Hort., Horticulture, Horticultural, Horticulturist.
Husb., Husbandry, Husbandman.
Hwy., Highway.
Illustr., Illustrator.
Ind., Industry.
Insp., Inspection, Inspector.
Inv., Investigations, Investigator.
Irrig., Irrigation.
Jr., Junior.
Lab., Laboratory, Laboratorian.
Libr., Library, Librarian.
Log., Logging.
Mfg., Manufacturing.
Mech., Mechanic, Mechanical.
Med., Medical.
Met., Meteorology, Meteorlogical, Meteorologist
Mgr., Manager.
Mgt., Management.
Mkt., Market, Marketing.
Microan., Microanalyst.
Micros., Microscopist.
Misc., Miscellaneous.
Mycol., Mycologist.
Nat., National.
Natur., Naturalist.
Nematol., Nematologist.
Nutr., Nutrition.
Off., Office, Officer.
Oper., Operations.
Org., Organic, Organization.
Parasit., Parasitology, Parasitologist.
Path., Pathology, Pathological, Pathologist.
Pharmacol., Pharmacology, Pharmacologist.
Phys., Physical, Physicist.
Physiol., Physiology, Physiological, Physiologist.
Pl., Plant, Planting.
Pomol., Pomology, Pomological, Pomologist.
Pred., Predatory.
Prin., Principal.
Prod., Production, Products.
Prop., Propagation, Propagating, Propagator.
Pubs., Publications.
Quar., Quarantine.
Reserv., Reservation, Reservations.
Sci., Scientific, Scientist.
Secy., Secretary.
Silv., Silviculture, Silvicultural, Silviculturist.
Sociol., Sociology.
Spec., Specialist.
Sr., Senior.
Sta., Station.
Stat., Statistics, Statistical, Statistician.
Substa,, Substation.
Supt., Superintendent.
Supvr., Supervisor.
Surv., Survey, Surveyor.
Tech., Technical, Technician.
Technol., Technology, Technological, Technologist.
Transp., Transportation.
Univ., University.
Util., Utilization.
Vet., Veterinary, Veterinarian.
Wareh., Warehouse, Warehousing.
Zool., Zoology, Zoologist

Note.—The asterisk (*) following names in "List of Workers" is used to indicate married women (Mrs.).

OUTLINE OF FUNCTIONS OF UNITED STATES DEPARTMENT OF AGRICULTURE

OFFICE OF THE SECRETARY

The Secretary of Agriculture is charged with the work of promoting agriculture in its broadest sense. He exercises general supervision and control over the affairs of the department and formulates and establishes the general policies to be pursued by its various branches. The general administrative staff of the department under the "Office of the Secretary" includes, in addition to the Secretary's immediate office, the offices of the Assistant Secretary, the Directors of Scientific, Regulatory, and Extension Work, the Director of Personnel and Business Administration, the Director of Information, and the Solicitor. The Assistant Secretary assists the Secretary in the general supervision of the work of the department and acts for the Secretary in his absence. Each of the five directors, reporting directly to the Secretary, has general supervision over all the work of the department of the type which the title of his position implies. Under the organization of the Office of the Secretary are included, in addition to the general administrative branches mentioned, the Office of Information, Office of Experiment Stations, Extension Service, the Library, and the Office of the Solicitor.

OFFICE OF PERSONNEL AND BUSINESS ADMINISTRATION

This office has general direction and supervision of the personnel and of the business operations of the department as a whole, including the coordination and improvement of such business activities of its various bureaus and offices as personnel administration, organization, budget and fiscal matters, purchases and supplies, traffic, housing, and care of buildings and equipment. This office conducts the business of the department with the Civil Service Commission, the Personnel Classification Board, the Employees' Compensation Commission, the Bureau of Efficiency, the Bureau of the Budget, the General Accounting Office, the retirement division of the Pension Bureau, the various boards operating under authority of the Chief Coordinator, and similar agencies.

OFFICE OF INFORMATION

The Office of Information supervises the expenditure of the appropriations for printing and binding for the department; conducts all business of the department transacted with the Government Printing Office; has general supervision of all editing, printing, indexing, illustrating, binding, and distribution of publications, and the maintenance of mailing lists; and maintains an addressing, duplicating, and mailing section to serve the various bureaus of the department. This office secures the circulation in popular form of the discoveries and recommendations of the scientists, specialists, and field workers of the department; gives out to the public press agricultural facts taken from publications and official orders, and also from oral statements of specialists, this material being presented in such form as to attract public attention, be easily understandable, and lead to the adoption of methods recommended; and keeps in close touch with correspondents and other writers, providing suggestions and material for articles. It also furnishes daily, through broadcasting from many stations in all parts of the United States, authentic information of practical use to farmers and others concerning the discoveries made by the department and the farm practices recommended by it; and answers by radio questions in all fields of agriculture and home economics.

OFFICE OF THE SOLICITOR

The Office of the Solicitor has supervision and direction of the legal work of the department. It advises administrative officials on legal problems touching their activities; aids in the preparation of, and reviews regulations, orders, and proclamations issued under the regulatory laws; examines evidence bearing on violations of such laws and prepares cases thereunder for transmission to the

Attorney General for prosecution; prepares libels, informations, indictments, and other pleadings, as well as briefs for use in litigation; assists United States attorneys in the trial and argument of cases, in which the department is interested, in the Federal district and appellate courts, including the United States Supreme Court; examines titles to land acquired by the Government under the direction of the Secretary, prepares reports and abstracts thereon and deeds and other instruments of conveyance; conducts hearings on rate and trade practice matters under the packers and stockyards act of 1921; prosecutes applications for patents on behalf of department employees; represents the department, as counsel, at hearings before the United States land officers and in the argument of cases before the Secretary and tribunals of other departments; prepares and examines legislative bills, contracts, leases, and seed liens; examines claims for damage to or loss of private property; and conducts all correspondence with the several departments and United States attorneys relating to the legal business of the department.

LIBRARY

The department library, with its branch libraries in the various bureaus, contains approximately 218,000 volumes on agriculture and the related sciences, technology and economics and receives currently 3,900 periodicals.

The dictionary card catalogue of the main library, containing more than a half million cards, is a record of the book resources of the whole department. It is supplemented by several extensive special indexes which are maintained by the branch libraries in the various bureaus. These together form the most comprehensive bibliography of agriculture and the related sciences available in the United States. A series of Bibliographical Contributions is issued by the library in mimeographed form, and a separate series of Agricultural Economics Bibliographies is issued by the Bureau of Agricultural Economics library.

OFFICE OF EXPERIMENT STATIONS

The Office of Experiment Stations exercises supervision over the operations of the State agricultural experiment stations under Federal appropriations authorized by the Hatch, Adams, and Purnell Acts for research, affords such advice and assistance as will best promote the efficiency of these activities, and coordinates the work of the State stations with that of the department. It also collects and disseminates information regarding similar institutions in foreign countries and publishes the Experiment Station Record, reviewing the progress of agricultural research throughout the world. The experiment stations of the Department of Agriculture in Alaska, Hawaii, Porto Rico, Guam, and the Virgin Islands are also conducted under the general direction of this office.

EXTENSION SERVICE

The Extension Service cooperates with the State agricultural colleges in the conduct of extension work in agriculture and home economics under the Smith-Lever Act, and acts as an agency for coordinating the extension activities of the several bureaus of the department with similar work carried on by the State agricultural colleges. It conducts demonstrations on reclamation projects to assist settlers in making a success of their farm enterprises. It also has charge of the preparation, installation, and display of agricultural exhibits at State, interstate, and international fairs and of the motion-picture activities of the department.

BUREAU OF AGRICULTURAL ECONOMICS

The Bureau of Agricultural Economics conducts studies of the economics of production and marketing, agricultural cooperation, farm organization, farm financial relations, farm labor, land economics, and the problems of rural life. It acquires and disseminates current information regarding the marketing and distribution of farm products; collects, compiles, summarizes, interprets, and makes public statistical data relating to agricultural production, including crop and livestock estimates; studies marketing methods and conditions, and the standardization, utilization, transportation, handling, financing, and storage of agricultural products; prepares and publishes reports on the outlook for farm products; and issues quarterly reports on stocks of leaf tobacco.

Reports are issued which furnish current information on the supply, commercial movement, disposition, and market prices of fruits and vegetables, livestock and meats, dairy and poultry products, grain, hay, feed, seeds, cotton, and other

products. Information is obtained and published also with regard to the supply of and demand for agricultural products in foreign countries. A market-inspection service is available in many of the principal producing areas and receiving centers on fruits and vegetables, hay, beans, broomcorn, tobacco, and other products, and a grading service is conducted on dairy and poultry products and on meats.

Regulatory work is performed in connection with the enforcement of the cotton futures act, cotton standards act, grain standards act, standard container act, standard hamper act, produce agency act, the perishable agricultural commodities act, and the administration of the warehouse act. The Center Market in the city of Washington is also operated by this bureau.

BUREAU OF ANIMAL INDUSTRY

The Bureau of Animal Industry is primarily concerned with the protection and development of the livestock and meat industries of the United States. It conducts scientific investigations of the causes, prevention, and treatment of diseases of domestic animals; investigates the existence of communicable diseases of such animals, and aids in their control or eradication; and carries on investigations and experiments in animal husbandry and in the feeding and breeding of animals. It also is charged with the administration of the meat inspection act, the animal quarantine acts, the 28-hour law, the diseased animal transportation acts, the virus-serum-toxin act, and the act relating to the supervision of the business in interstate commerce of packers, public stockyard markets, and commission men, traders, and other agencies operating in the public stockyard markets of the United States.

BUREAU OF BIOLOGICAL SURVEY

The Bureau of Biological Survey is engaged in those forms of research work, conservation and control operations, and enforcement of laws that relate to vertebrate wild animals (except fishes), in the interests of agriculture, horticulture, stock raising, forestry, and recreation, and the natural requirements of the wild life itself. Its activities embrace field investigations and laboratory studies, including biological surveys of areas, of the distribution, migration, classification, natural history, food habits, and food resources of birds and other animals and their diseases and parasites; experiments in the production of fur-bearing animals in captivity and demonstration of improved practices developed therefrom; studies of the propagation of game birds; investigations for the improvement of the reindeer industry in Alaska; and development of effective methods for the control of predatory animals, including stock killers, rodents, injurious birds, and other destructive species. Control operations are conducted by organized field forces in cooperation with State and other organizations. Eighty-six wild-life reservations are maintained for the conservation of game and other animals and birds, and work is under way for the acquisition of numerous additional refuges at concentration points of migratory birds. The bureau administers Federal laws for the conservation of migratory birds, protection of animals and property on wild-life reservations, and prevention of illegal interstate shipments of bodies of wild animals and of the entry of injurious foreign species; and, through representation on and cooperation with the Alaska Game Commission, assists in the enforcement of the Alaska game law.

BUREAU OF CHEMISTRY AND SOILS

The work of this bureau is organized along three major lines: (1) Chemical and technological research, (2) soil investigations, and (3) fertilizer and fixed-nitrogen investigations.

(1) Under "chemical and technological research" is grouped the work relating to the application of the science of chemistry to the improvement of agriculture, development of processes for the utilization of agricultural products, and biological investigations of foods, including studies of their physiological effects on the human organism; experiments on the utilization, for coloring, medicinal, and technical purposes of raw materials; development of improved processes in the production of rosin and turpentine; investigations in the development of methods of manufacturing insecticides and fungicides; improvement of methods for dehydrating materials used for food; and development of means to prevent farm fires and dust explosions and resulting fires, including fires in grain mills and elevators, cotton gins, cotton-oil mills, etc.

(2) Under "soil investigations" is grouped all the soil work of the bureau, including the classification and mapping of the soils of the United States, studies of the agricultural value of soils, their characteristics in relation to productiveness, their origin and development, and their chemical and mechanical compositions; research in soil microbiology; investigations of the response of soils to fertilizers and other soil amendments; and studies of soil erosion, with a view to determining the principles which should guide in the control and prevention of soil erosion.

(3) Under "fertilizer and fixed-nitrogen investigations" are grouped studies of the fertilizer resources of the country and methods of manufacturing fertilizer materials, including nitrogen and its fixation, phosphates, potash, concentrated fertilizers, organic waste products, and miscellaneous soil amendments.

BUREAU OF DAIRY INDUSTRY

The Bureau of Dairy Industry conducts investigations of the various problems of dairy production, manufacture, and utilization, and the manufacture and utilization of dairy by-products. New principles and methods developed in the investigational work of the bureau are introduced into the field. The bureau also supervises the inspection of renovated-butter factories.

BUREAU OF ENTOMOLOGY

The Bureau of Entomology conducts investigations in economic entomology, involving studies of the life history and habits of insects injurious and those beneficial to agriculture, horticulture, and arboriculture, with a view to developing practical methods for destroying those found to be injurious and promoting the increase and spread of those found to be beneficial. It studies bee culture and beekeeping practices and investigates the life history and control of insects affecting the health of man and animals.

FOOD AND DRUG ADMINISTRATION

The Food and Drug Administration enforces the food and drugs act, tea act, naval stores act, insecticide act, import milk act, and caustic poison act.

This administration inspects and analyzes samples of the various products coming under its surveillance, both at its field stations and in its laboratories at Washington, to the end that it may detect and cause to be removed from the channels of trade all those that fail to comply with the terms of the acts which it enforces. It assists manufacturers to keep their products in compliance with these acts and institutes legal action against those who violate the law. Its primary function is to protect the consuming public against misbranded or adulterated foods, drugs, naval stores, insecticides, and fungicides, and honest manufacturers against enforced competition with such goods.

FOREST SERVICE

The Forest Service administers the national forests; cooperates with States in maintaining organized protection of forest lands against fire and in distributing planting stock to farmers for windbreaks, shelterbelts, and farm woodlands; conducts investigations in the entire field of forestry, including industrial research and research in forest economics and taxation; diffuses information relating to the best uses of forests and forest products; and, in short, seeks to promote the application of forestry throughout the country on both public and privately owned lands, together with efficient and economical use of the yield. The national forests contain approximately 159,000,000 acres of Government-owned land and nearly one-fourth of the timber in the United States, besides forage and recreation resources of great public value. The administration of the national forests aims to coordinate and develop to the utmost the use of all their resources in the best public interest. Technical methods of forestry are applied to the growing and harvesting of timber. Livestock grazing is scientifically regulated so as to obtain range conservation along with full use of the annual growth of forage. Sustained and, where possible, increased yields of timbers and forage are obtained. Water from the protected watersheds is made available for power, irrigation, and municipal and domestic supply. Provision is made for many other forms of national-forest land use under regulation. Systematic protection is provided against fire and other destructive agencies.

GRAIN FUTURES ADMINISTRATION

The Grain Futures Administration is charged with the carrying out of the provisions of the grain futures act of September 21, 1922, which brings under the supervision of the Federal Government all trading in grain futures at grain exchanges designated as contract markets by the Secretary of Agriculture. The work consists of compiling daily reports of transactions in grain futures from all markets, in checking the dissemination of false and misleading information which affects or tends to affect the prices of grain, and in making general observations of the entire grain-marketing machinery, with a view to prevent abnormal fluctuation of prices and to create market conditions which will reflect supply and demand. The results of investigations concerning the operations of contract markets are published from time to time for the information of Congress and the general public. In cooperation with other Government agencies, the administration also makes investigations of grain and grain products and by-products, including supply and demand, cost to the consumer, and handling and transportation charges.

BUREAU OF HOME ECONOMICS

The Bureau of Home Economics conducts scientific studies of problems connected with the home, including questions of food and nutrition, economics, textiles and clothing, and housing and equipment. It assists the homemaker in the solution of these problems by sending information through bulletins, articles for newspapers and magazines, and radio releases. The bureau employs no field agents, but through the home-demonstration agents under the Extension Service and the State colleges it is in close contact with homemakers and professional home-economics workers throughout the country.

BUREAU OF PLANT INDUSTRY

The activities of the Bureau of Plant Industry are primarily devoted to plant research and related problems. This work includes the study of destructive plant diseases and the establishment of methods of eradication and control; the improvement of crop, ornamental, or other plants by breeding and selection; the introduction of promising seeds and plants from foreign countries; the improvement of methods of plant production; and the utilization of plants of economic value.

Campaigns to control or eradicate certain plant diseases are conducted in cooperation with the authorities of the States concerned. The 13 States interested in spring-wheat production are cooperating to eradicate the common barberry throughout this area as a means of controlling epidemics of black stem rust of wheat. The New England, Great Lakes, and Northwestern States are cooperating in the eradication of the black currant and related plants as a means of controlling or preventing the spread of the blister rust of white pine. The Gulf States are cooperating in the eradication of the canker of citrus trees and fruits. Georgia and Alabama and other southern peach-growing States are cooperating in a campaign to eradicate the phony disease of peach trees.

The regulatory activities of the bureau are limited to the enforcement of the Federal seed act.

In addition to the experimental activities of the bureau at the Arlington (Va.) Experiment Farm, which is immediately adjacent to the District of Columbia, the bureau is operating field stations or laboratories in practically all the major cropping regions of the United States and is maintaining direct cooperative experiments with the State agricultural colleges and experiment stations.

The bureau is acquiring land in the District of Columbia on which to establish and maintain the National Arboretum.

PLANT QUARANTINE AND CONTROL ADMINISTRATION

The Plant Quarantine and Control Administration is charged with the enforcement of the plant quarantine act, regulating the importation of plants and plant products, including nursery stock, fruits, vegetables, cotton, and other plants and plant products necessary to exclude new and dangerous plant pests, as well as the movement within the United States of any plant or plant product or other article necessary to prevent the spread of new plant pests which have more or less limited foothold. In addition, it enforces quarantines and conducts control activities for

preventing the spread of such pests as the Mediterranean fruit fly, pink bollworm of cotton, Thurberia weevil, date scale, gipsy and brown-tail moths, European corn borer, Japanese beetle, and Mexican fruit worm. It also enforces quarantines on account of white-pine blister rust, black-stem rust, and phony peach disease.

This administration also enforces the act providing for the Mexican border inspection and control service; the act providing for export certification of domestic fruits, vegetables, seeds, and nursery stock and other plants for propagation; the insect pest act of 1905; and, in cooperation with the Post Office Department, the terminal inspection act of 1915.

BUREAU OF PUBLIC ROADS

The Bureau of Public Roads handles the engineering work of the Department of Agriculture. This work is divided into two main branches—highway engineering and agricultural engineering.

(1) The highway engineering branch deals with all highway functions of the department contemplated by the regular appropriations, including the conduct of highway research, and also with the work of administering the Federal-aid and forest road appropriations.

(2) The agricultural engineering branch conducts investigations of farm irrigation and drainage, farm machinery, farm buildings, and other rural engineering problems.

WEATHER BUREAU

The Weather Bureau has charge of the forecasting of the weather; issue and display of weather forecasts and storm, cold-wave, frost, forest-fire weather, and flood warnings; gaging and reporting of river stages; collection and transmission of marine intelligence for the benefit of commerce and navigation; collection and furnishing of meteorological information and forecasts, including upper-air observations, for the benefit of air navigation; reporting of temperature and rainfall conditions for agricultural interests; and the taking of such meteorological observations as may be necessary to determine and record the climatic conditions of the United States.

TECHNICAL WORKERS IN THE UNITED STATES DEPARTMENT OF AGRICULTURE

OFFICE OF THE SECRETARY

Arthur M. Hyde, A. B., LL. B., LL. D., *Secy. of Agriculture.*
E. N. Meador, LL. B., *Asst. to the Secy.*
F. H. Spencer, *Secy. to the Secretary.*
R. W. Dunlap, B. S. A., *Asst. Secy. of Agriculture.*
A. F. Woods, B. S., A. M., D. Agr., LL. D., *Dir. of Scientific Work.*
W. G. Campbell, A. B. LL. B., *Dir. of Regulatory Work.*
C. W. Warburton, B. S. A., D. Sc., *Dir. of Extension Work.*
W. W. Stockberger, B. S., Ph. D., *Dir. of Personnel and Bus. Admin.*
W. A. Jump, *Asst. Dir. and Budget Off.*
M. S. Eisenhower, B. S., *Dir. of Information.*
E. L. Marshall, *Solicitor.*

OFFICE OF PERSONNEL AND BUSINESS ADMINISTRATION

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W. A. Jump, *Asst. Dir. and Budget Off.*

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Budget and Finance.
E. H. Bradley, *Admin. Asst.*
L. O. Robbins, *Admin. Asst.*

Organization and Classification.
W. N. Rehlaender, *Admin. Asst.*

Office of Accounts (Office of the Secretary).
F. E. Singleton, *Chief.*

Division of Chief Clerk and Superintendent of Buildings.
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(1) Mechanical Shops.
R. L. Swenson, B. S., *Supt.*
(2) Mail and Files.
Joseph Haley, *in charge.*
(3) Telephones and Telegraph.
Joseph L. Koehl, LL. B., *in charge.*
(4) Watch Force.
H. T. O'Neale, *in charge.*

Division of Accounts and Disbursements.
A. Zappone, *Chief of Div.*
W. R. Fuchs, LL. B., *Asst. Chief.*
(1) Cash Section.
John Ackerman, *in charge.*
(2) Bookkeeping Section.
W. A. Raake, *in charge.*
(3) Examining Section.
H. G. Arnold, *in charge.*

Division of Purchase, Sales, and Traffic.
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J. M. Locknane, *Asst. Chief.*
M. B. Berryhill,* *Traffic Mgr.*

OFFICE OF THE SOLICITOR

Elton L. Marshall, Pd. B., A. B., LL. B., *Solicitor.*
C. W. Boyle, LL. M., *Asst. Solicitor.*

Division of Food and Drugs, Insecticides and Fungicides, Federal Seed, Tea Inspection, Naval Stores, Virus-Serum Control, Meat Inspection, Federal Import Milk, Federal Caustic Poison, and Compilation of Laws.
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F. Tharin, D. C. L., *Atty.*
R. E. Mikesell, *Atty.*
W. Rawlins, LL. M., M. P. L., *Atty.*

Division of National Forests, Grain Futures, Cotton Futures, Cotton Standards, Federal Warehouse, Excess Wool Profits, Farm Products Inspection, Produce Agency, Standard Container, Packers and Stockyards, Perishable Agricultural Commodities.
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J. C. Brooke, B. S., LL. M., *Atty.*
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C. S. Brothers, LL. M.
New Mexico—Albuquerque:
E. S. French, LL. B., M. P. L.
Oregon—Portland:
W. F. Staley, B. S., LL. M.
Utah—Ogden:
M. Thompson, LL. B.

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J. L. Carr, A.B., LL. M., M. P. L., *Atty.*

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North Carolina—Franklin:
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Pennsylvania—Warren:
H. A. Lamprey, LL. B.
West Virginia—Elkins:
A. S. Grigg, B. S., LL. B.

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Tom G. Spratt, A. B., LL. B.

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Michigan—Marquette:
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North Carolina—Franklin:
M. L. Walker.
Pennsylvania—Warren:
W. W. Mong.

Division of Animal and Plant Quarantines, Federal-aid Roads, Twenty-eight Hour Law, Bee Imports, and Agricultural Colleges and Experiment Stations.
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B. B. Jenkins, LL. B., *Atty.*
A. McNaught, LL. B., *Atty.*

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R. H. L. Seaton, LL. M., *Atty.*
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T. J. Brown, Jr., LL. B. *Atty.*
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Harold I. Hollister, B. S. M. S. in A., *Asst. Mktg. Spec.*
Omaha—
W. H. Holliday, *Assoc. Wareh. Exam.*
G. H. Roessig, *Jr. Supvr.*
Wichita—
Robert Waldie, B. S. in C. E., *Assoc. Wareh. Exam.*
Wm. L. Spray, *Asst. Wareh. Exam.*
O. F. Wulfekammer, *Jr. Supvr.*
Oregon—Portland:
J. H. Savage, B. S., *Asst. Wareh. Exam.*
Harold E. Gifford, *Asst. Wareh. Exam.*
O. A. Myrand, *Asst. Mkt. Spec.*
Thomas J. Shanahan, *Assoc. Wareh. Exam.*
W. B. Felt, *Asst. Wareh. Exam.*
B. E. Jones, *Asst. Wareh. Exam.*
Texas—Dallas:
R. L. Newton, *Sr. Mkt. Spec.*
Hans Aabel, *Assoc. Wareh. Exam.*
C. C. Brown, *Asst. Wareh. Exam.*

Wool Warehousing.
C. Nagel, *Asst. Mkt. Spec.*
FIELD HEADQUARTERS.
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Thomas J. Shanahan, *Assoc. Wareh. Exam.*
Texas—Dallas:
R. L. Newton, *Sr. Mkt. Spec.*
C. C. Brown, *Asst. Wareh. Exam.*

Tobacco Warehousing.
S. G. Swain, Jr., LL. B., *Assoc. Wareh. Exam.*
FIELD HEADQUARTERS.
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Eugene B. Ezell, *Asst. Wareh. Exam.*
North Carolina—Raleigh:
J. P. Brown, *Sr. Wareh. Exam.*

Cottonseed Warehousing.
H. S. Yohe, LL. M., *Prin. Mkt. Spec.*
FIELD HEADQUARTERS.
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W. E. Parr, *Assoc. Wareh. Exam.*

Cotton Warehousing.
H. S. Yohe, LL. M., *Prin. Mkt. Spec.*
W. A. McKenna, *Asst. Mkt. Spec.*
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J. K. Wood, *Assoc. Mkt. Spec.*
W. E. Parr, *Assoc. Wareh. Exam.*
J. F. Treadaway, *Assoc. Wareh. Exam.*
J. F. Wadsworth, *Asst. Wareh. Exam.*
R. B. Henderson, *Asst. Wareh. Exam.*
G. V. Lamback, *Asst. Wareh. Exam.*
James W. Callahan, *Asst. Wareh. Exam.*
Wm. G. Shingler, *Asst. Wareh. Exam.*
Roscoe P. Barrett, *Asst Wareh. Exam.*
W. H. Pool., *Jr. Wareh. Exam.*
North Carolina—Raleigh:
J. P. Brown, *Sr. Wareh. Exam.*
David W. Evans, B. S., *Asst. Mkt. Spec.*
R. B. Kennedy, *Asst. Wareh. Exam.*
Wm. R. Windes, B. S. A., *Asst. Mkt. Spec.*
H. S. Gaillard, *Asst. Wareh. Exam.*
James V. Caldwell, *Asst. Wareh. Exam.*
Texas—Dallas:
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C. C. Brown, *Asst. Wareh. Exam.*
R. D. Cunningham, *Asst. Wareh. Exam.*
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Cold Pack Fruit Warehousing.
H. S. Yohe, LL. M., *Prin. Mkt. Spec.*
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Peanut Warehousing.
H. S. Yohe, LL. M., *Prin. Mkt. Spec.*
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W. E. Parr, *Assoc. Wareh. Exam.*
North Carolina—Raleigh:
J. P. Brown, *Sr. Wareh. Exam.*

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S. G. Swain, Jr., LL. B., *Assoc. Wareh. Exam.*
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Oregon—Portland:
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Texas—Dallas:
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J. W. Pickens, B. A., *Asst. Wareh. Exam.*

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Mary J. Brandon, A. B., *Asst. An. Husb.*
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J. B. Tennyson, A. B., *Jr. An. Husb.*
David Miller, M. S., *Jr. Chemist (nutrition).*
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W. A. Hendricks, B. A., *Jr. Biol. (nutrition).*
Emma M. Pringle,* *Asst. Sci. Aid (nutrition).*
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Lucy M. Alexander, A. B., B. S., Assoc. Spec. in Foods (in coop. with Bur. of Home Econ.).
Nancy Griswold, A. B., *Jr. Sci. Aid* (in coop. with Bur. of Home Econ.).
F. A. Susan, *Jr. Lab. Aid (nutrition).*
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M. I. Corey, *Jr. Lab. Aid (nutrition).*
J. M. Spadola, A. B., M. A., *Jr. Chem. (nutrition)*
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L. P. Maigret, B. A., *Jr. Sci. Aid.*
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H. L. Shrader, B. S., *Sr. Ext. Poultry Husb.* (in coop. with Off. of Coop. Ext. Work).

Animal Husbandry Experiment Farm, Beltsville, Md. (beef and dual purpose cattle, swine, sheep, poultry, and horse inv.).

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T. D. John, *Sci. Aid.*

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R. B. Morgan, B. S., *Jr. Poultry Husb.*

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Idaho—Dubois (U. S. Sheep Exp. Sta.):

W. A. Denecke, B. S., *Assoc. An. Husb., in charge.*

John A. Stoehr, B. S., *Jr. An. Husb.*

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W. T. Cobb, *Agt. in An. Husb.*

S. L. Cathcart, B. S., *Agt. in Dairying (Coop.).*

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Missouri:

Columbia (swine inv., in coop. with Mo. Exp. Sta.)—

F. F. McKenzie, B. S., M. A., Ph. D., *Agt. in An. Husb. (Coop.), in charge.*

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M. W. Hazen, M. S., *Jr. An. Husb.*

Montana:

Harve (beef cattle inv., in coop. with Mont. Exp. Sta.)—

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C. Barton Bergstedt, *Agt. in An. Husb.*

Huntley (swine inv., in coop. with Mont. Exp. Sta.)—

Daniel Hansen, *Assoc. Agron* (Bur. of Pl. Ind.), *in charge.*

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A. L. Baker, B. S., *Asst. An. Husb.*

J. M. Cooper, B. S., *Asst. An. Husb.*

R. E. Hutton, B. S. A., *Asst. An. Husb.*

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Field Stations—Continued.

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FIELD INSPECTION DIVISION

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W. P. Ellenberger, D. V. S., *Sr. Vet., Asst. Chief.*

International Inspection and Quarantine.
California:
Calexico—
J. C. Pace, D. V. S., *Jr. Vet., Insp. in charge.*
Los Angeles—
E. P Schaffter, V. S., *Assoc. Vet., Insp. in charge.*
San Diego—
Jens Madsen, M. D., D. V. M., *Assoc. Vet., Insp. in charge.*
San Francisco—
H. H. Hicks, M. D. V., *Assoc. Vet., Insp. in charge.*
England—London:
R. W. Tuck, D. V. S., *Sr. Vet., Insp. in charge.*
Louisiana—New Orleans:
G. T. Cole, V. M. D., *Assoc. Vet., Insp. in charge.*
Maine:
Calais—
R. D. Hyde, D. V. M., *Asst. Vet., Insp. in charge.*
Houlton—
I. H. Kaufman, D. V. M., *Asst. Vet., Insp. in charge.*
Maryland—Baltimore:
R. W. Culbert, M. D. V., *Sr. Vet., Insp. in charge.*
Massachusetts—Boston:
A. F. Staub, D. V. M., *Sr. Vet., Insp. in charge.*
Michigan:
Detroit—
R. F. Vermilya, D. M. C., *Vet. Insp. in charge.*
Port Huron—
C. H. Canfield, D. V. M., *Asst. Vet., Insp. in charge.*
Montana—Helena:
J. W. Murdoch, D. V. S., *Assoc. Vet., Insp. in charge.*
G. H. Ehlers, D. V. M., *Asst. Vet.*
E. J. Drake, D. V. S., *Asst. Vet.*

International Inspection and Quarantine—Con.
New Jersey—Clifton:
James Fleming, V. S., M. D., *Sr. Vet., Insp. in.charge.*
New York:
Albany—
G. H. Woolfolk, D. V. S., *Assoc. Vet., Insp. in charge.*
Buffalo—
B. P. Wende, V S., *Sr. Vet., Insp. in charge.*
C. R. Perkins, D. V. M., *Asst. Vet.*
New York—
James Fleming, V. S., M. D., *Sr. Vet., Insp. in charge.*
Wm. R. Rosekrans, D. V. S., *Asst. Vet.*
Ogdensburg—
C. O. Benson, D. V. S., *Asst. Vet., Insp. in charge.*
Rouses Point—
D. G. Shumway, V. M. D., *Asst. Vet., Insp. in charge.*
Watertown—
L. N. Dodge, D. V. M., *Jr. Vet., Insp. in charge.*
North Dakota—Bismarck:
H. H. Cohenour, M. D. V., *Assoc. Vet., Insp. in charge.*
Augustus Berdan, D. V. S., *Asst. Vet.*
Irvin Myers, D. V. M., *Asst. Vet.*
Oregon—Portland:
M. O. Anderson, V. S., *Assoc. Vet., Insp. in charge.*
Pennsylvania—Philadelphia:
Thomas Castor, V. M. D., *Assoc. Vet., Insp. in charge.*
Porto Rico—San Juan:
Juan Veras Catala, V. S., *Vet., Insp. in charge.*
Texas:
El Paso—
H. R. Collins, D. V. S., *Assoc. Vet., Insp. in charge.*
J. C. Reid, D. V. S., *Asst. Vet.*
H. L. Box, D. V. S., *Asst. Vet.*
Houston—
C. F. Palmer, V. S., *Assoc. Vet., Insp. in charge.*
San Antonio—
Wm. Thompson, M. D. C., *Assoc. Vet., Insp. in charge.*
N. E. Dutro, D. V. S., *Asst. Vet.*
W. E. Turner, D. V. M., *Asst. Vet.*
Vermont:
Newport—
J. E. Spindler, D. V. M., *Asst. Vet., Insp. in charge.*
St. Albans—
H. M. Smith, M. D. V , *Asst. Vet., Insp in charge.*
Washington:
Seattle—
C. L. Norris, D. V. S., *Assoc. Vet., Insp. ni charge.*
Spokane—
E. D. Kennedy, D. V. S., *Assoc. Vet., Insp. in charge.*

Scabies and Dourine Eradication.

California—Sacramento:
- Rudolph Snyder, M. D. C., *Vet., Insp. in charge.*
- C. R. Behler, M. D. C., *Asst. Vet.*
- C. J. Cook, D. V. M., *Asst. Vet.*
- Chas. Pearson, D. V. S., *Asst. Vet.*
- D. E. Settle, D. V S., *Asst. Vet.*
- M. S. Shahan, D. V. M., *Jr. Vet.*
- A. E. Wardlow, D. V. M., *Asst. Vet.*

Colorado—Denver:
- W. E. Howe, D. V. M., *Assoc. Vet., Insp. in charge.*
- E. A. Meyer, D. V. S., *Asst. Vet.*
- L. B. Dunlap, D. V. M., *Asst. Vet.*
- G. R. Teeple, V. S., *Asst. Vet.*
- C. E. Burkholder, D. V. S., *Asst. Vet.*
- C. C. Rubenstein, D. V. M., *Asst. Vet.*

Kansas—Topeka:
- N. L. Townsend, V. M. D., *Assoc. Vet., Insp. in charge.*
- P. I. Kershner, D. V. S., *Asst. Vet.*
- Chas. Webster, D. V. M., *Asst. Vet.*

Kentucky—Frankfort:
- W. F. Biles, D. V. M., *Assoc. Vet., Insp. in charge.*
- Warren Sorrell, D. V S , *Asst. Vet.*

Louisiana—Baton Rouge:
- S. H. Still, D. V. S., *Assoc. Vet., Insp. in charge.*

Montana—Helena:
- J. W. Murdoch, D. V. S., *Assoc. Vet., Insp. in charge.*
- J. H. Shoemaker. D. V. M., *Asst. Vet.*
- W. E. Logan, D. V. M., *Asst. Vet.*

Nebraska—Lincoln:
- A. H. Francis, D. V. M., *Assoc. Vet., Insp. in charge.*
- J. M. Simpson, M. D. V., V. S., *Asst. Vet.*
- W. A. Montgomery, D. V. M., *Asst. Vet.*
- G. A. Bostrom, D. V. M., B. S., Ph. G., *Jr. Vet.*

Nevada—Reno:
- L. C. Butterfield, D. C. M., *Assoc. Vet., Insp. in charge.*
- Clifton Carter, D. V. S., A. B., *Asst. Vet*
- Eugene Hover, D. V. M., *Asst. Vet.*
- F. C. Swaney, D. C. M., *Asst. Vet.*

New Mexico—Albuquerque:
- F. L. Schneider, B. S., D. V. S., *Sr. Vet., Insp. in charge.*
- H. E. Kemper, D. V. M., *Asst. Vet.*
- H. E. Pine, D. V. S., *Asst. Vet.*
- W. A. Savage, M. D. C., *Asst. Vet.*
- T. W. Crump, D V S., *Asst. Vet.*
- C. A. Curtis, D. V. S., *Asst. Vet.*
- J. L. Flanigan, D. V. M., *Asst. Vet.*
- M. A. Harp, D V. M., *Asst. Vet.*
- S. W. Wiest, D. V. M., *Asst. Vet.*

North Dakota—Bismarck:
- H. H. Cohenour, D. V. M., *Assoc. Vet., Insp. in charge.*

Oklahoma—Oklahoma City:
- L. J. Allen, V. S., *Sr. Vet., Insp. in charge.*
- W. F. Dunaway, D. V. S., *Asst. Vet.*

[1] Devotes part time to hog-cholera control work.

Scabies and Dourine Eradication—Continued.

South Dakota—Pierre:
- J. O. Wilson, D. V. M., *Assoc. Vet., Insp. in charge.*
- G. W. Cronen, D. V. M., *Assi. Vet.*
- C. C. Heacock, V. S., *Asst. Vet.*
- M. M. Davis, D. V. M., B. V. S., *Asst. Vet.*

Texas—Fort Worth:
- H. L. Darby, D. V. S., *Sr. Vet., Insp. in charge.*
- P M. James, D. V. M., *Asst. Vet.*
- W. A. Curtis, D. V. S., *Asst. Vet.*
- J. G. Porter, V. M. D., *Asst. Vet.*

Utah—Salt Lake City:
- F. E. Murray, D. V. M., *Assoc. Vet., Insp. in charge.*
- W. T. Huffman, M. D. V., *Asst. Vet.*
- R. W. McGinnis, D. V. M., *Asst. Vet.*

Washington—Olympia:
- J. C. Exline, D. V. M., *Assoc. Vet., Insp. in charge.*
- G. T. Casper, M. D. V., *Asst. Vet.*
- G. E. Abrams, D. V. M., *Asst. Vet.*
- R. A. Parsons, D. V. M., *Asst. Vet.*

Wyoming—Cheyenne:
- John T. Dallas, B. S. A., D. V. M., *Assoc. Vet., Insp. in charge.*
- A. J. Burley, D. V. M., *Asst. Vet.*
- S. E. Springer, V. S., *Asst. Vet.*
- L. S. Smith, D. V. M., *Asst. Vet.*

DIVISION OF HOG-CHOLERA CONTROL

Directed by Assoc. Chief of Bur.

T. P. White, D. V. S., *Sr. Vet., Asst. Chief.*

FIELD STATIONS (work conducted in coop. with State authorities).

Alabama—Birmingham:
- R. E. Jackson, V. S., *Assoc. Vet., Insp. in charge.*
- J. W. Venable, D. V. M., *Asst. Vet.*

Arkansas—Little Rock:
- W. A, McDonald, *Vet., Insp. in charge.*
- H. W. Willis, D. V. M , *Asst. Vet.*
- W. C. Glockner,[1] V. M. D , *Asst. Vet.*

California—Sacramento:
- Rudolph Snyder, D. V. M., *Assoc. Vet., Insp. in charge.*
- Robert Jay,[1] D. V. M., *Asst. Vet.*

Colorado—Denver:
- W. E. Howe, D. V. M., *Assoc. Vet., Insp. in charge.*
- E. N. Stout, D. V. S , *Asst. Vet.*

Florida—Tallahassee:
- J. G. Fish, D. V. S., *Asst. Vet., Insp. in charge.*
- A. P. Abbott, M. D. V., *Asst. Vet.*

Georgia—Atlanta:
- A. L. Hirleman, D. V. M., *Assoc. Vet., Insp. in charge.*
- Harry Trumbo, D. V. M., *Asst. Vet.*

Idaho—Boise:
- W. A. Sullivan, M. D. V., *Assoc. Vet., Insp. in charge.*

FIELD STATIONS—Continued.

Illinois—Springfield:
James McDonald, D. V. M., *Assoc. Vet., Insp. in charge.*
J. H. Murphy, D. V. M , *Asst. Vet.*
I. N. Habecker, M. D. V., *Asst. Vet.*

Indiana—Indianapolis:
J. E. Gibson, V. S., *Sr. Vet., Insp. in charge.*
G. N. Wickwire, B. S., D. V. M., D. V. S., *Asst. Vet.*
H. C. Wilson, D. V. S., *Asst. Vet.*

Iowa—Des Moines:
J. A. Barger, D. V. S., *Sr. Vet., Insp. in charge.*
J. O. F. Price, D. V. S., *Asst. Vet.*
T. A. Shipley, D V. S., *Asst. Vet.*

Kansas—Topeka:
N. L. Townsend, V. M. D., *Assoc. Vet., Insp. in charge.*
W. I. Bowersox,[1] D. V. M., *Asst. Vet.*
E. C. Cannon,[1] D. V. S., LL. B., *Asst. Vet.*
W. A. Decker,[1] D. V. M., *Asst. Vet.*
T. B. Jones,[1] D. V. S., *Asst. Vet.*
R. C. Patterson,[1] D. V. M., *Jr. Vet.*
L. C. Songer,[1] D. V. S., *Asst. Vet.*

Kentucky—Frankfort:
W. F. Biles, D. V. M., *Assoc. Vet., Insp. in charge.*
R. D. Green, D. V. M., *Asst. Vet.*
Ocie Carter, D. V. M., *Asst. Vet.*

Louisiana—Baton Rouge:
S. H. Still, D. V. S., *Assoc. Vet., Insp. in charge.*
E. B. Shaw, V. S., M. D. V., *Asst. Vet.*

Maryland—College Park:
I. K. Atherton, V. S., *Assoc. Vet. (coop.), Insp. in charge.*
E. J. McLaughlin, D. V. M., *Asst. Vet.*
O. K. Hoffman, D. V. M., *Asst. Vet.*

Michigan—Lansing:
T. S. Rich, V. S., *Sr. Vet., Insp. in charge.*
John Keppel, D. V. M., *Asst. Vet.*
W. J. Madell, D. V. M., *Asst. Vet.*

Mississippi—Jackson:
Hartwell Robbins, D. V. S., *Vet., Insp. in charge.*
P. H. Mommsen, D. V. M., *Asst. Vet.*

Missouri—Jefferson City:
Ralph Graham, D. V. M., *Assoc. Vet. (coop.), Insp. in charge.*
S. G. Dreppard, D. V. M., *Asst. Vet.*

Montana—Helena:
J. W. Murdoch, D. V. S., *Assoc. Vet., Insp. in charge.*

Nebraska—Lincoln:
A. H. Francis, D. V. M., *Assoc. Vet., Insp. in charge.*
D. M. Purdy,[1] B. S. A., D. V. M., *Asst. Vet.*
J. M. Simpson,[1] M. D. V., V. S., *Asst. Vet.*
J. E. Peterman,[1] D. V. M., *Asst. Vet.*

North Carolina—Raleigh:
W. C. Dendinger, D. V. M., *Assoc. Vet., Insp. in charge.*
A. A. Husman,[1] D. V. M., *Asst. Vet.*
N. B. Tyler,[1] B. S., D. V. M., *Asst. Vet.*

[1]Devotes part time to hog-cholera control work.

FIELD STATIONS—Continued.

Ohio—Columbus:
A. J. DeFosset, D. V. M., *Sr. Vet., Insp. in charge.*
J. B. Hollenbeck, V. S., M. D. C., *Asst. Vet.*

Oklahoma—Oklahoma City:
L. J. Allen, V. S., *Sr. Vet., Insp. in charge.*
R. T. Fisher,[1] D. V. S., *Asst. Vet.*
C. H. Fauks,[1] M. D. V., *Asst. Vet.*
S. A. Watters,[1] D. V. S., *Asst. Vet.*

South Carolina—Columbia:
W. K. Lewis, V. S., M. D. V., *Sr. Vet. (coop.), Insp. in charge.*
E. E. Lent, D. V. M., *Asst. Vet.*

South Dakota—Pierre:
J. O. Wilson, D. V. M., *Assoc. Vet., Insp. in charge.*
C. F. Harrington, M. D. C., *Asst. Vet.*

Tennessee—Nashville:
H. L. Fry, D. V. M., *Assoc. Vet., Insp. in charge.*
J. P. O'Connor, D. V. S., *Asst. Vet.*

Texas—Ft. Worth:
H. L. Darby, D. V. S., *Sr. Vet., Insp. in charge.*
F. D. Porter, V. M. D., *Asst. Vet.*

Utah—Salt Lake City:
F. E. Murray, D. V. M., *Assoc. Vet., Insp. in charge.*

Virginia—Richmond:
R. E. Brookbank, D. V. S., *Assoc. Vet., Insp. in charge.*
T. M. Owen, D. V. S., *Asst. Vet.*

Washington—Olympia:
J. C. Exline, D. V. M., *Assoc. Vet., Insp. in charge.*
F. W. Beckman,[1] D. V. M., *Asst. Vet.*
G. T. Casper,[1] D. V. M., *Asst. Vet.*
R. A. Parsons,[1] D. V. M., *Asst. Vet.*
L. C. Henderson, D. V. S., *Asst. Vet.*

West Virginia—Charleston:
H. M. Newton, D. V. M., *Assoc. Vet. (coop.), Insp. in charge.*

Wisconsin—Madison:
J. S. Healy, M. D. V., *Sr. Vet., Insp. in charge.*
H. D. Larzelere, D. V. M., *Asst. Vet.*

MEAT INSPECTION DIVISION

R. P. Steddom, V. S., *Prin. Vet., Chief.*
A. J. Pistor, D. V. S., *Sr. Vet., Asst. Chief.*
E. C. Joss, B. S., M. D. C., *Sr. Vet., Asst. Chief.*
W. H. Smith, jr., V. M. D., *Sr. Vet., in charge of special work.*
F. W. Meyst, D. V. S., *Sr. Vet., in charge of Label Section.*
R. H. Kerr, B. S., *Sr. Chem., in charge of Meat Insp. Labs.*
G. H. Parks, *Assoc. Sanitary Engr.*
L. T. Hopkins, D. V. M., *Assoc. Vet.*
H. R. McMillin, B. S., *Assoc. Chemist.*
R. M. Mehurin, B. S., *Assoc. Chemist.*

FIELD STATIONS.

Alabama:
Birmingham—
R. H. Nutt, D. V. M., *Assoc. Vet., Insp. in charge.*
Roy Avant, D. V. M., *Asst. Vet.*
Tuscaloosa—
C. H. Horcher, D. V. M., *Asst. Vet., Insp. in charge.*

Arizona:
Phoenix—
S. V. Ewers, D. V. S., *Asst. Vet., Insp. in charge.*
J. E. Dwyer, D. V. M., *Asst. Vet.*

Arkansas:
Fort Smith—
W. B. Nichols, *Prin. Lay Insp., in charge.*
Helena—
B. L. McCaslin, *Prin. Lay Insp., in charge.*

California:
Los Angeles—
E. P. Schaffter, V. S., *Assoc. Vet., Insp. in charge.*
R. N. Ashley, D. V. M., *Asst. Vet.*
J. E. Bard, D. V. S., *Asst. Vet.*
A. T. Coleman, D. V. M., *Asst. Vet.*
A. J. Farley, D. V. M., *Asst. Vet.*
S. M. Fields, M. D. C., *Asst. Vet.*
C. F. Kellogg, D. V. S., *Asst. Vet.*
A. R. Koen, D. V. S., *Asst. Vet.*
R. A. McFarland, D. V. M., *Asst. Vet.*
San Diego—
J. Madsen, M. D., D. V. M., *Assoc. Vet., Insp. in charge.*
R. Darling, D. V. S., *Asst. Vet.*
C. A. Milner, D. V. S., *Asst. Vet.*
San Francisco—
H. H. Hicks, M. D. V., *Assoc. Vet., Insp. in charge.*
H. A. Allen, D. V. M., *Jr. Vet.*
I. J. Anderson, D. V. M., *Asst. Vet.*
L. Bilikam, D. V. M., *Asst. Vet.*
J. H. Hogan, D. V. M., *Jr. Vet.*
F. Hurlbut, D. V. M., *Asst. Vet.*
A. E. Graham, Ph. B., *Assoc. Lab. Insp., in charge of Lab.*
W. C. Owens, A. B., *Asst. Chemist.*

Colorado:
Denver—
J. E. Shelton, D. V. S., *Assoc. Vet., Insp. in charge.*
I. L. Barstow, D. V. M., *Asst. Vet.*
G. W. Bromell, M. D., D. V. S., *Asst. Vet.*
C. M. Chase, D. V. M., *Asst. Vet.*
C. L. Davis, D. V. M., *Asst. Vet.*
W. D. Fountain, D. V. M., *Jr. Vet.*
R. B. Leeper, D. V. S., *Asst. Vet.*
S. R. Nichols, D. V. M., *Asst. Vet.*
W. Pierret, D. V. M., *Asst. Vet.*
H. L. Shorten, D. V. S., *Asst. Vet.*
Pueblo—
A. E. Evans, M. D. C., *Assoc. Vet., Insp. in charge.*
F. W. Blamey, D. V. M., *Asst. Vet.*

FIELD STATIONS—Continued.

Connecticut:
Bridgeport—
Fred Hern, *Prin. Lay Insp., in charge.*
Hartford—
W. E. Jennings, *Prin. Lay Insp., in charge.*
New Haven—
S. A. Selby, D. V. S., *Asst. Vet., Insp. in charge.*
R. A. Moonan, D. V. M., *Asst. Vet.*

Delaware:
Wilmington—
T. J. Kean, D. V. M., M. D., *Assoc. Vet., Insp. in charge.*
C. A. Schuler, D. V. M., *Asst. Vet.*

District of Columbia:
Washington—
A. R. Smith, V. M. D., *Assoc. Vet., Insp. in charge.*
F. E. Davis, D. V. S., *Asst. Vet.*
W. F. Davis, D. V. S., B. A., *Asst. Vet.*
I. W. Eichelberger, B. E., D. V. M., *Asst. Vet.*
R. K. Miller, D. V. S., *Asst. Vet.*
A. F. Paul, jr., D. V. M., *Asst. Vet.*

Florida:
Jacksonville—
E. F. Haven, D. V. S., *Asst. Vet., Insp. in charge.*
F. W. Beck, V. M. D., *Asst. Vet.*
O. Hinton, V. S., B. V. S., *Jr. Vet.*

Georgia:
Atlanta—
W. H. Meadors, D. V. S., *Assoc. Vet., Insp. in charge.*
W. H. Hudson, D. V. M., *Asst. Vet.*
D. W. Coppinger, D. V. M., *Jr. Vet.*
Augusta—
J. E. Lovejoy, D. V. S., *Assoc. Vet., Insp. in charge.*
J. R. Farr, D. V. M., *Jr. Vet.*
C. S. Lemon, D. V. S., *Asst. Vet.*
Moultrie—
G. R. Hartman, D. V. S., *Asst. Vet., Insp. in charge.*
S. D. Hobbs, D. V. M., *Asst. Vet.*

Hawaii:
Honolulu—
J. R. Aufente, D. V. S., *Vet., Insp. in charge.*

Idaho:
Boise—
A. J. Creely, D. V. M., *Asst. Vet., Insp. in charge.*
Lewiston—
C. A. Johnston, D. V. S., *Assoc. Vet., Insp. in charge.*
Moscow—
A. S. Martin, D. V. M., *Asst. Vet., Insp. in charge.*
Sandpoint—
W. R. McCall, D. V. M., *Asst. Vet., Insp. in charge.*

Illinois:
Alton—
James Johnston, V. S., M. D., *Asst. Vet., Insp. in charge.*

FIELD STATIONS—Continued.
Illinois—Continued.
Chicago—
Herman Busman, V. S., M. D., *Sr. Vet., Insp. in charge and Trav. Vet. Insp.*
D. D. Tierney, M. D. V., *Assoc. Vet., Asst. Insp. in charge.*
J. W. Havorka, D. V. M., *Asst. Vet., Supvr.*
H. H. Horn, D. V. M., *Asst. Vet., Supvr.*
C. M. Lombard, D. V. M., *Asst. Vet., Supvr.*
L. M. Marshall, D. V. M., *Asst. Vet., Supvr.*
A. J. Noonan, M. D. V., *Asst. Vet., Supvr.*
W. E. Spierling, D. V. M., *Asst. Vet., Supvr.*
G. A. Ahrens, D. V. M., *Asst. Vet.*
O. Aldrich, D. V. M., *Asst. Vet.*
G. L. Allen, D. V. M., *Jr. Vet.*
W. W. Barlow, D. V. M., B. S. A., *Jr. Vet.*
F. L. Bartlett, D. V. M., *Jr. Vet.*
D. A. Benson, D. V. M., *Jr. Vet.*
R. C. Bissell, D. V. M., *Jr. Vet.*
M. Borsos, D. V. M., *Asst. Vet.*
S. A. Burnam, D. V. M., *Jr. Vet.*
J. L. Campbell, D. V. M., *Asst. Vet.*
G. D. Chandler, D. V. M., *Jr. Vet.*
R. C. Chatman, D. V. M., *Asst. Vet.*
J. L. Clevenger, D. V. M., *Jr. Vet.*
M. L. Cravens, D. V. M., *Jr. Vet.*
R. Crowell, D. V. M., *Jr. Vet.*
G. R. Curtis, D. V. M., *Asst. Vet.*
W. H. Davenport, D. V. M., *Asst. Vet.*
W. A. Davidson, D. V. S., *Asst. Vet.*
D. F. Eggers, M. D. V., *Asst. Vet.*
F. J. Fickensher, D. C. M., *Asst. Vet.*
D. J. Flanagan, M. D. V., *Asst. Vet.*
R. J. Flanagan, D. V. M., *Asst. Vet.*
G. G. Gregory, D. V. M., *Asst. Vet.*
G. V. Grewell, D. V. M., *Jr. Vet.*
H. H. Groat, D. V. M., *Jr. Vet.*
M. Hattery, M. D. V., *Asst. Vet.*
L. W. Head, M. D. C., *Asst. Vet.*
J. Hutchison, D. V. S., *Asst. Vet.*
E. M. Johnson, D. V. M., B. S., *Asst. Vet.*
A. G. Johnstone, D. V. M., *Asst. Vet.*
G. C. Juday, D. V. M., *Jr. Vet.*
F. O. Kieldsen, D. V. M., *Jr. Vet.*
H. L. Kilhoffer, D. V. M., *Jr. Vet.*
O. W. Kirby, D. V. M., *Jr. Vet.*
R. Kolo, D. V. M., *Asst. Vet.*
D. A. La Mar, D. V. M., *Jr. Vet.*
H. D. Lasher, D. V. M., *Jr. Vet.*
G. J. Lengerich, D. V. M., *Asst. Vet.*
G. M. Lint, D. V. M., *Asst. Vet.*
W. D. Livermore, D. V. M., *Asst. Vet.*
I. A. Lucas, D. V. M., *Asst. Vet.*
E. E. McDaniel, D. V. M., *Jr. Vet.*
C. A. Mahl, D. V. M., *Jr. Vet.*
C. G. Mampreian, D. V. M., *Asst. Vet.*
F. C. Man, D. V. M., *Asst. Vet.*
J. J. Merwick, D. V. M., *Asst. Vet.*
L. Metsker, M. D. C., *Asst. Vet.*
C. E. Miller, D. V. M., *Jr. Vet.*
J. A. Molengraft, D. V. M., *Asst. Vet.*
M. A. Molohon, D. V. M., *Jr. Vet.*
A. D. Moore, D. V. M., *Asst. Vet.*
W. F. Moore, D. V. M., *Jr. Vet.*
G. H. Murphy, D. V. M., *Jr. Vet.*
I. L. Nebeker, D. V. M., *Jr. Vet.*

FIELD STATIONS—Continued.
Illinois—Continued.
Chicago—Continued.
B. J. Nutter, D. V. M., *Jr. Vet.*
E. G. Pigman, D. V. M., *Asst. Vet.*
W. R. Pringle, D. V. M., *Asst. Vet.*
M. B. Purdy, D. V. S., *Jr. Vet.*
T. E. Quincy, D. V. M., *Asst. Vet.*
B. E. Robertson, D. V. M., *Jr. Vet.*
R. J. Robertson, D. V. M., *Asst. Vet.*
M. J. Romine, D. V. M., *Jr. Vet.*
V. W. Routzong, D. V. M., *Asst. Vet.*
D. J. Ryan, D. V. S., *Asst. Vet.*
W. G. Saunders, V. S., *Jr. Vet.*
J. B. Schorfheide, D. V. M., *Asst. Vet.*
H. H. Shearer, D. V. M., *Jr. Vet.*
J. T. Shelton, D. V. M., *Asst. Vet.*
R. S. Shannon, D. V. M., *Jr. Vet.*
F. C. Sigrist, D. V. S., A. B., *Asst. Vet.*
G. M. Smith, D. V. M., *Asst. Vet.*
W. J. Smith, D. V. M., *Jr. Vet.*
J. H. Smyth, D. V. M., *Jr. Vet.*
B. H. Steigleder, D. V. M., *Asst. Vet.*
H. P. Stout, D. V. M., *Jr. Vet.*
J. A. Sullivan, D. V. M., *Asst. Vet.*
H. L. Tate, D. V. M., *Jr. Vet.*
B. W. Taylor, D. V. M., *Asst. Vet.*
L. W. Thiele, D. V. M., *Jr. Vet.*
M. J. Thomson, D. V. M., *Asst. Vet.*
D. R. Trueblood, D. V. M., *Jr. Vet.*
P. C. Underwood, V. S., B. V. Sc., *Jr. Vet.*
I. Wallman, D. V. M., *Asst. Vet.*
C. A. Ward, D. V. M., *Asst. Vet.*
F. Weaver, D. V. M., *Asst. Vet.*
L. W. West, D. V. M., *Jr. Vet.*
P. F. West, D. V. M., *Asst. Vet.*
L. A. White, D. V. M., *Jr. Vet.*
C. L. Whittington, M. D. C., *Jr. Vet.*
A. N. Wilson, D. V. M., *Jr. Vet.*
C. F. Wilson, D. V. M., *Jr. Vet.*
C. E. Windeler, M. D., V. M. D., *Asst. Vet.*
W. W. Worcester, V. S., *Asst. Vet.*
C. T. N. Marsh, *Assoc. Chem., in charge of Lab.*
F. B. Hilty, A. B., *Jr. Chem.*
Jacksonville—
J. Robinson, D. V. M., *Asst. Vet., Insp. in charge.*
National Stock Yards—
C. F. Payne, V. S., *Sr. Vet., Insp. in charge and Traveling Vet. Insp.*
R. C. Lambert, D. V. M., *Asst. Vet., Supvr.*
C. D. Bailey, D. V. M., *Jr. Vet.*
O. E. Jung, D. V. S., *Jr. Vet.*
G. H. Bruns, D. V. M., *Asst. Vet.*
T. R. Cairns, D. V. M., *Asst. Vet.*
W. L. Cohenour, D. C. M., *Asst. Vet.*
C. D. Emerick, D. V. M., *Asst. Vet.*
C. R. Graham, D. V. M., *Asst. Vet.*
R. Greene, D. V. M., *Asst. Vet.*
F. D. Halsey, V. S., *Asst. Vet.*
C. E. Hart, D. V. S., *Asst. Vet.*
J. F. Pease, D. V. S., *Asst. Vet.*
G. H. Starr, D. V. M., *Asst. Vet.*
R. E. Surring, D. V. M., *Asst. Vet.*
F. S. Thurman, D. V. M., *Asst. Vet.*
W. S. Trigg, D. V. M., *Asst. Vet.*

FIELD STATIONS—Continued.
Illinois—Continued.
National Stock Yards—Continued.
A. C. Walls, D. V. M., *Asst. Vet.*
J. S. Wolfram, D. V. M., *Jr. Vet.*
A. R. Zumwalt, D. V. M., *Asst. Vet.*
Peoria—
A. N. Hughes, M. D. V., *Asst. Vet., Insp. in charge.*
S. J. Goldstein, D. V. M., *Asst. Vet.*
O. U. Poth, D. V. M., *Jr. Vet.*
Indiana:
Anderson—
Charles Corson, D. V. M., *Asst. Vet., Insp. in charge.*
Evansville—
L. L. Criswell, D. V. M., *Asst. Vet.,*
O. W. Noyes, D. V. S., *Assoc. Vet., Insp. in charge.*
C. Upton, D. V. M., *Asst. Vet.*
Fort Wayne—
G. M. Dorman, D. V. M., *Asst Vet., Insp. in charge.*
Frankfort—
G. W. Knorr, M. D. C., *Asst. Vet., Insp. in charge.*
Indianapolis—
G. W. Butler, V. S., *Assoc. Vet., Insp. in charge.*
F. W. Dennie, D. V. M., *Asst. Vet., Super.*
C. A. Clawson, D. V. M., B. S. A., *Asst. Vet.*
G. R. Graves, D. C. M., *Asst. Vet.*
C. O. Joyce, D. V. M., *Asst. Vet.*
L. P. Kirch, D. V. M., *Asst. Vet.*
J. E. Lynch, D. V. M., *Asst. Vet.*
W. J. Palmer, D. V. M., *Asst. Vet.*
J. S. Reno, D. V. M., *Asst. Vet.*
H. R. Schrumpf, D. V. M., *Jr. Vet.*
H. Seevers, D. V. M., *Asst. Vet.*
B. O. Sherrill, D. V. M., *Asst. Vet.*
H. M. Springer, D. V. M., *Asst. Vet.*
R. R. Springer, D. V. M., *Asst. Vet.*
R. Steinmetz, D. V. M., *Asst. Vet.*
R. Turnbull, V. S., *Asst. Vet.*
R. C. Vermillion, V. S., D. V. M., *Asst. Vet.*
R. M. Ward, D. V. M., *Asst. Vet.*
B. H. Yenner, D. V. S., *Asst. Vet.*
La Fayette—
J. M. Jehle, M. D. C., *Asst. Vet., Insp. in charge.*
Logansport—
C. H. Diesel, D. V. M., *Asst. Vet., Insp. in charge.*
Madison—
R. R. Newman, D. V. S., *Asst. Vet., Insp. in charge.*
Mishawaka—
C. V. Shaw, D. V. M., *Assoc. Vet., Insp. in charge.*
Richmond—
C. O. Wagoner, V. S., *Asst. Vet., Insp. in charge.*
Terre Haute—
L. H. Allen, M. D. V., *Asst. Vet., Insp. in charge.*

FIELD STATIONS—Continued.
Iowa:
Cedar Rapids—
A. M. Casper, M. D. C., *Assoc. Vet., Insp. in charge.*
D. G. Cooper, D. V. M., *Asst. Vet.*
G. C. Faun, D. V. M., *Asst. Vet.*
H. W. Hall, D. V. M., *Asst. Vet.*
E. F. Kallenberg, D. V. M., *Asst. Vet.*
H. S. Perdue, D. V. M., *Asst. Vet.*
Davenport—
Joseph Hannon, M. D. C., *Asst. Vet., Insp. in charge.*
F. C. Davis, D. V. M., *Jr. Vet.*
Des Moines—
C. W. Deming, D. V. M., *Asst. Vet., Insp. in charge.*
C. D. Lash, D. V. S., *Asst. Vet.*
C. E. Willaims, D. V. M., *Asst. Vet.*
Dubuque—
H. H. Dell, D. V. S., *Asst. Vet., Insp. in charge.*
Mason City—
O. W. Seher, D. V. M., *Assoc. Vet., Insp. in charge.*
L. D. Belknap, D. V. M., *Jr. Vet.*
W. J. Brown, D. V. M., *Asst. Vet.*
S. L. Ries, D. V. M., *Asst. Vet.*
G. H. Gitz, D. V. M., *Jr. Vet.*
Ottumwa—
F. T. Suit, D. V. M., *Assoc. Vet., Insp. in charge.*
B. B. Harper, D. V. S., *Asst. Vet.*
C. B. McKim, D. V. M., *Jr. Vet.*
F. B. Perdue, D. V. M., *Jr. Vet.*
R. M. Thomas, D. V. M., *Jr. Vet.*
C. A. Towne, D. V. M., *Jr. Vet.*
C. L. Ury, D. V. M., *Jr. Vet.*
Sioux City—
E. S. Dickey, D. V. S., *Assoc. Vet., Insp. in charge.*
Perry Zenor, B. S., M. D. C., *Asst. Vet., Supvr.*
A. E. Arthaud, D. V. M., *Jr. Vet.*
A. V. Bennett, D. V. M., *Asst. Vet.*
H. E. Breckerbaumer, D. V. M., *Asst. Vet.*
E. Combs, D. V. S., *Asst. Vet.*
W. A. Cornell, D. V. M., *Jr. Vet.*
W. A. Decker, D. V. M., *Asst. Vet.*
W. V. Ellis, D. V. M., *Asst. Vet.*
E. O. Gisel, D. V. M., *Asst. Vet.*
G. E. Golden, M. D. V., *Asst. Vet.*
B. L. Gray, D. V. M., *Jr. Vet.*
L. V. Haggerty, D. V. M., *Asst. Vet.*
W. F. Hodam, V. S., *Jr. Vet.*
J. Kalmansohn, D. V. M., *Asst. Vet.*
F. J. Lauman, D. V. S., *Asst. Vet.*
H. J. Lawrence, D. V. S., *Asst. Vet.*
A. H. Legenhausen, D. C. M., *Asst. Vet.*
J. A. Patton, D. V. M., *Jr. Vet.*
J. O. Schlegel, D. V. S., *Asst. Vet.*
J. A. Skordahl, D. V. M., *Jr. Vet.*
T. W. Stewart, D. V. M., A. B., *Asst. Vet.*
E. V. Stromlund, D. V. S., *Asst. Vet.*

FIELD STATIONS—Continued.
Iowa—Continued.
Waterloo—
H. J. Hoyman, M. D. C., *Assoc. Vet., Insp. in charge.*
W. L. G. Geick, D. V. M., *Asst. Vet.*
A. L. Blake, D. V. M., *Asst. Vet.*
L. T. Langland, D. V. M., *Asst. Vet.*
W. C. Smith, D. V. M., *Jr. Vet.*
R. A. Telford, D. V. M., B. S., *Jr Vet.*
Kansas:
Arkansas City—
F. E. Haworth, V. M. D., *Asst. Vet., Insp. in charge.*
Kansas City—
J. S. Jenison, D. V. M., *Sr. Vet., Insp. in charge and Traveling Vet. Insp.*
B. F. Gooch, D. V. S., *Assoc. Vet., Asst. Insp. in charge.*
E. M. Berroth, D. V. M., *Asst. Vet., Supvr.*
G. H. Randall, D. V. S., *Asst. Vet., Supvr.*
J. B. Thompson, D. V. M., *Asst. Vet., Supvr.*
J. R. Barnes, D. V. M., *Asst. Vet.*
A. C. Barr, D. V. S., *Asst. Vet.*
E. V. Beaumont, D. V. S., *Asst. Vet.*
D. H. Bibens, D. V. S., *Jr. Vet.*
A. G. Collins, D. V. S., *Asst. Vet.*
W. R. Cooper, D. V. S., L. L. B., *Asst. Vet.*
E. N. Davis, D. V. M., *Jr. Vet.*
B. L. Dawson, D. V. M., *Asst. Vet.*
J. Dickson, D. C. M., *Asst. Vet.*
E. F. Erfurth, D. V. S., *Asst. Vet.*
O. A. Erfurth, D. V. S., *Asst. Vet.*
C. C. Ettling, D. V. S., *Asst. Vet.*
J. T. Gaston, D. V. S., B. Acct., *Asst. Vet.*
W. H. Hannemann, D. V. M., *Jr. Vet.*
T. T. Hartman, D. V. S., *Asst. Vet.*
L. J. Howell, D. V. M., *Asst. Vet.*
H. C. Ingraham, D. V. M., *Asst. Vet.*
F. H. Kirwan, D. V. M., *Asst. Vet.*
W. A. Kliphardt, D. V. S., *Jr. Vet.*
I. G. McChesney, D. V. M., *Asst. Vet.*
W. L. Martin, D. V. S., *Asst. Vet.*
G. E. Maxwell, D. V. S., *Asst. Vet.*
J. M. Mayes, D. V. S., *Asst. Vet.*
F. P. Miller, D. V. M., *Asst. Vet.*
R. S. Mourning, D. V. M., *Asst. Vet.*
A. Newberg, D. V. S., *Asst. Vet.*
G. C. Newberg, D. V. S., *Asst. Vet.*
G. D. Painter, D. V. S., *Asst. Vet.*
J. W. Parker, D. V. S., *Asst. Vet.*
W. E. Patterson, D. V. S., *Asst. Vet.*
H. C. Reed, D. V. M., LL. B. *Jr. Vet.*
C. M. Scheloski, D. V. S., *Asst. Vet.*
J. P. F. Smith, D. V. S., B. A., *Asst. Vet.*
F. Spillman, D. V. M., *Asst. Vet.*
J. W. Taggart, D. V. S., *Asst. Vet.*
J. F. Talbert, M. D. C., *Asst. Vet.*
B. Tierman, D. V. M., *Asst. Vet.*
D. A. Tyler, D. V. S., *Asst. Vet.*
E. V. Wedemeyer, D. V. M., *Asst. Vet.*
R. M. Williams, D. V. M., *Jr. Vet.*
G. W. Winkler, D. V. M., *Asst. Vet.*
C. H. Wright, D. V. S., *Asst. Vet.*
H. C. Kershner, *Assoc. Lab. Insp., in charge of Lab.*

FIELD STATIONS—Continued.
Kansas—Continued.
Kansas City—Continued.
S. Adler, B. S., M. S., *Asst. Chem.*
W. C. McVey, A. B., *Jr. Chem.*
Leavenworth—
C. B. Henderson, D. V. S., *Asst. Vet., Insp in charge.*
Pittsburg—
W. K. Howard, M. D. C., *Asst. Vet., Insp. in charge.*
Topeka—
O. A. Stingley, B. Sc., D. V. S., *Assoc. Vet. Insp. in charge.*
O. B. Huston, D. V. S., *Asst. Vet.*
C. F. Pinkham, D. V. S., *Asst. Vet.*
Wichita—
E. W. Barthold, M. D. C., *Assoc. Vet., Insp. in charge.*
C. W. Barnhart, D. V. S., *Asst. Vet.*
E. S. Bacon, D. V. M., *Asst. Vet.*
F. E. Brown, D. V. M., *Jr. Vet.*
O. Emmitt, D. V. S., *Jr. Vet.*
L. R. Fauteck, D. V. S., *Asst. Vet.*
J. D. Melvin, D. V. M., *Asst. Vet.*
G. W. Ornduff, D. V. S., *Asst. Vet.*
J. F. Pickett, D. V. S., *Asst. Vet.*
Kentucky:
Henderson—
J. L. Burgett, D. V. S., *Asst. Vet., Insp. in charge.*
Louisville—
J. B. Johnson, D. V. M., *Assoc. Vet., Insp. in charge.*
G. Bard, V. M. D., *Asst. Vet.*
J. F. Chipman, D. V. M., *Asst. Vet.*
C. F. Hobbs, D. C. M., *Asst. Vet.*
F. B. Jones, D. V. S., *Asst. Vet.*
H. H. Myers, V. S., *Asst. Vet.*
J. B. Way, D. V. M., *Asst. Vet.*
Louisiana:
New Orleans—
G. T. Cole, V. M. D., *Assoc. Vet., Insp. in charge.*
E. A. Corbin, M. D. C., *Jr. Vet.*
S. C. Cook, D. V. M., *Asst. Vet.*
W. M. Haag, D. V. M., *Asst. Vet.*
C. W. Turrell, D. V. M., *Asst. Vet.*
Shreveport—
Levi Bryant, *Prin. Lay Insp., in charge.*
Maine:
Auburn—
L. K. Green, V. M. D., *Asst. Vet., Insp. in charge.*
Houlton—
I. H. Kaufman, D. V. M., *Asst. Vet., Insp. in charge.*
C. A .Hazzard, D. V. M., *Asst. Vet.*
Portland—
D. D. Callahan, *Prin. Lay Insp., in charge*
Maryland:
Baltimore—
R. W. Culbert, M. D. V., *Sr. Vet., Insp. in charge and Traveling Vet. Insp.*
G. C. Pieper, D. V. M., *Asst. Vet., Supvr.*
J. P. Beck, M. D. C., V. S., *Asst. Vet.*

FIELD STATIONS—Continued.
Maryland—Continued.
Baltimore—Continued.
L. J. Cook, D. V. M., *Asst. Vet.*
R. M. Cory, D. V. S., *Asst. Vet.*
N. M. Crawford, D. V. M., *Jr. Vet.*
J. Huebschman, M. D. C., *Asst. Vet.*
G. S. Jackson, D. V. M., *Asst. Vet.*
F. C. McCurdy, V. M. D., A. B., *Asst. Vet.*
C. G. McLaughlin, D. V. M., *Jr. Vet.*
F. D. Owen, D. V. S., *Asst. Vet.*
R. V. Rafnel, D. V. M., *Asst. Vet.*
G. T. Van Buskirk, D. V. M., *Asst. Vet.*
M. H. Walmer, D. V. S., *Asst. Vet.*
E. P. Yager, D. V. S., *Asst. Vet.*
Cumberland—
J. C. Shafer, *Prin. Lay Insp., in charge.*
Frederick—
H. A. Schneider, M. D. V., *Asst. Vet., Insp. in charge.*
Massachusetts:
Boston—
A. F. Staub, D. V. M., *Sr. Vet., Insp. in charge.*
E. N. Tierney, D. C. M., *Assoc. Vet., Asst. Insp. in charge.*
J. H. Coleman, D. V. M., *Jr. Vet.*
W. J. Comstock, D. V. M., *Jr. Vet.*
E. R. Fisher, D. V. M., *Jr. Vet.*
A. C. Fitzpatrick, M. D. D., *Asst. Vet.*
S. Folse, D. V. S., *Asst. Vet.*
A. A. Kritt, D. V. M., *Asst Vet.*
J. C. McLeod, D. V. M., *Asst. Vet.*
J. J. Smart, D. V. S., *Asst. Vet.*
H. Q. Thompson, V. S., *Asst. Vet.*
Haverhill—
L. E. Merrill, *Prin. Lay Insp., in charge.*
Springfield—
H. E. Brown, M. D. V., *Assoc. Vet., Insp. in charge.*
C. Hedley, D. V. M., *Asst Vet.*
W. G. Reed, D. V. M., *Jr. Vet.*
Worcester—
M. T. Perry, M. D. V., *Assoc. Vet., Insp. in charge.*
P. J. Creedon, M. D. C., *Asst. Vet.*
Michigan:
Detroit—
R. F. Vermilya, D. M. C., *Vet., Insp. in charge.*
E. F. Jameson, D. V. S., *Asst. Vet., Supvr.*
W. G. Adams, D. V. M., *Asst. Vet.*
H. L. Cotton, D. V. M., *Asst Vet.*
L. A. Greiner, jr., D. V. M., *Asst. Vet.*
H. T. Grossman, D. V. M., *Asst. Vet.*
A. M. Hoehn, D. V. M., *Asst. Vet.*
D. Marks, D. V. M., *Asst Vet.*
M. H. Mendenhall, D. V. M., *Asst. Vet.*
M. A. Ruck, D. V. M., *Asst. Vet.*
A. G. Stamp, D. V. M., *Asst Vet.*
E. W. Stapp, D. V. M., *Asst. Vet.*
B. H. Swim, D. V. M., *Asst Vet.*
G. W. Trubey, D. V. M., *Asst. Vet.*
J. W. Vance, D. V. M., *Asst. Vet.*
Z. Veldhuis, D. V. S., *Asst. Vet.*
J. E. Zeltzer, D. V. M., Asst. Vet.
Menominee—
L. E. Epple, V. S., *Asst. Vet., Insp. in charge.*

FIELD STATIONS—Continued.
Minnesota:
Albert Lea—
B. C. Johnson, D. V. M., *Assoc. Vet., Insp. in charge.*
G. M. Carson, D. V. M., *Jr. Vet.*
S. K. Nelson, D. V. M., *Asst. Vet.*
Austin—
O. Hornlein, D. V. M., *Assoc. Vet., Insp. in charge.*
Ray Hoefling, D. V. M., *Asst. Vet.*
E. D. Richards, D. V. M., *Jr. Vet.*
F. A. Scott, D. V. M., *Asst. Vet.*
L. W. Stevens, D. V. M., *Jr. Vet.*
W. L. R. Williamson, D. V. M., *Asst. Vet.*
Duluth—
C. E. Mootz, D. V. M., *Asst. Vet., Insp. in charge.*
Fergus Falls—
M. L. Davenport, D. V. M., *Asst. Vet., Insp. in charge.*
South St. Paul—
G. E. Totten, D. C. M., *Sr., Vet., Insp. in charge.*
M. E. Schwab, D. V. M., Ph. D., *Asst. Vet., Supvr.*
C. L. Hall, D. V. S., *Asst. Vet., Supvr.*
O. W. Anderson, D. V. M., *Asst. Vet.*
F. A. Baldwin, D. V. M., *Jr. Vet.*
J. D. Bloemers, D. V. M., *Asst. Vet.*
B. B. Bowen, D. V. M., *Jr. Vet.*
E. J. Calph, D. V. M., *Asst. Vet.*
F. W. Crawford, D. V. M., *Jr. Vet.*
C. H. Easterling, D. V. M., *Jr. Vet.*
A. A. Eddingfield, D. V. S., *Jr. Vet.*
N. Hanson, D. V. M., *Jr. Vet.*
L. V. Hardy, D. V. M., *Asst. Vet.*
R. H. Harrison, D. V. S., *Asst. Vet.*
C. H. Hart, M. D. C., *Jr. Vet.*
N. H. Howell, D. V. M., *Jr. Vet.*
W. A. Jordan, D. V. M., B. S., M. S., *Jr. Vet.*
O. J. Lanigan, D. V. S., *Asst. Vet.*
R. I. Lowenberg, D. V. M., *Jr. Vet.*
J. A. Lynn, D. V. S., *Jr. Vet.*
H. O. Mantor, D. V. M., *Asst. Vet.*
C. H. Mobiley, D. V. M., *Jr. Vet.*
E. N. Moline, D. V. S., *Asst. Vet.*
J. H. Moore, D. V. M., *Asst. Vet.*
J. L. Meyers, D. V. M., *Asst. Vet.*
I. Owens, D. V. S., *Asst. Vet.*
R. Pickett, D. V. M., *Asst. Vet.*
H. L. Prowett, D. V. M., *Jr. Vet.*
C. E. Redden, D. V. M., *Asst. Vet.*
R. G. Rice, V. S., *Asst. Vet.*
J. R. Scott, D. V. M., *Jr. Vet.*
J. B. Snyder, M. D. V., *Jr. Vet.*
R. J. Spain, D. V. M., *Asst. Vet.*
D. B. Stewart, D. V. M., *Asst. Vet.*
R. Stigers, D. V. M., *Jr. Vet.*
G. R. Tomlinson, D. V. S., D. C. M., *Asst. Vet.*
S. A. Turpen, D. V. M., *Asst. Vet.*
V. W. Woolen, D. V. M., *Asst. Vet.*
Winona—
L. A. Wilson, D. V. M., *Asst. Vet., Insp. in charge.*
H. J. Clary, D. V. M., *Jr. Vet.*
C. F. Barnes, D. V. M., *Jr. Vet.*

FIELD STATIONS—Continued.
Mississippi:
Natchez—
J. B. Harris, *Prin. Lay Insp., in charge.*
Vicksburg—
H. H. Culver, *Prin. Lay Insp., in charge.*
Missouri:
Joplin—
M. M. McGruire, D. V. S., *Asst. Vet., Insp. in charge.*
St. Louis—
T. B. Pote, D. V. S., *Assoc. Vet., Insp. in charge.*
O. E. Barth, M. D. C., *Asst. Vet., Supvr.*
S. L. Blount, D. V. M., B. S., *Asst. Vet.*
H. H. Brown, D. V. M., *Asst. Vet.*
J. R. Brown, D. V. M., *Asst. Vet.*
J. J. Evans, jr., D. V. M., *Jr. Vet.*
R. F. Gard, D. V. S., *Asst. Vet.*
E. A. Garleb, D. V. M., *Asst. Vet.*
D. F. McCarthy, D. V. M., *Asst. Vet.*
L. H. Mead, D. V. M., *Asst. Vet.*
T. R. Morse, D. V. M., *Jr. Vet.*
W. R. Scott, D. V. M., *Asst. Vet.*
C. T. Snyder, D. V. M., *Asst. Vet.*
H. J. Timmerman, D. V. S., *Asst. Vet.*
C. H. Swanger, B. S., *Assoc. Chem., in charge of Lab.*
W. B. Tromer, B. S., *Asst. Chem.*
G. L. McGinty, B. S., *Asst. Chem.*
South St. Joseph—
B. J. Stockler, D. V. M., *Vet., Insp. in charge.*
J. A. Zimmerman, D. V. S., *Asst. Vet., Supvr.*
W. A. Barr, V. S., *Asst. Vet.*
E. J. Cary, D. V. S., *Asst. Vet.*
W. Craig, D. V. M., *Asst. Vet.*
W. P. Divelbliss, D. V. M., *Asst. Vet.*
C. H. Grunwald, D. V. M., *Asst. Vet.*
C. J. Hayward, D. V. M., *Asst. Vet.*
F. H. Kirwan, D. V. M., *Asst. Vet.*
W. G. McGuire, D. V. M., *Asst. Vet.*
G. J. Mutziger, D. V. S., *Asst. Vet.*
M. D. Nelson, D. V. M., *Asst. Vet.*
W. J. J. Pooley, D. V. M., *Asst. Vet.*
J. B. Sigrist, D. V. M., *Jr. Vet.*
L. P. Sullivan, D. V. M., *Asst. Vet.*
C. C. Walch, D. V. S., *Asst. Vet.*
C. I. Walch, D. V. S., *Asst. Vet.*
F. M. Welch, D. V. M., *Asst. Vet.*
D. C. Wilke, D. V. M., *Jr. Vet.*
J. B. Wright, D. V. S., *Asst. Vet.*
West Plains—
J. F. Park, D. V. M., *Asst. Vet., Insp. in charge.*
Montana:
Butte—
F. G. Miller, D. V. M., *Assoc. Vet., Insp. in charge.*
Miles City—
P. A. Franzmann, D. V. M., *Asst. Vet., Insp in charge.*
Nebraska:
Nebraska City—
G. A. Kay, D. C. M., *Asst. Vet., Insp. in charge.*
H. H. Hervey, D. V. M., *Asst. Vet.*

FIELD STATIONS—Continued.
Nebraska—Continued.
Omaha—
Frank Jelen, D. V. S., *Sr. Vet., Insp. in charge.*
E. W. Burke, D. V. M., *Asst. Vet., Supvr.*
A. N. McGregor, D. V. M., *Asst. Vet., Supvr.*
W. R. Richards, M. D. C., *Asst. Vet., Supvr.*
A. P. Abendshien, D. V. M., *Jr. Vet.*
G. I. Bomgardner, D. V. S., *Asst. Vet.*
J. A. Carlsen, D. V. M., *Asst. Vet.*
E. M. Clark, D. V. M., *Asst. Vet.*
G. Edgecomb, D. V. M., *Asst. Vet.*
A. English, D. V. M., *Asst. Vet.*
W. C. Finn, D. V. M., *Jr. Vet.*
G. A. Franz, D. V. M., *Asst. Vet.*
G. C. Harrington, D. V. M., *Asst. Vet.*
M. Heusinkveld, D. V. M., *Jr. Vet.*
F. W. Hock, D. V. M., *Asst. Vet.*
J. W. Huston, D. V. M., *Asst. Vet.*
G. J. Jarvis, D. V. M., *Asst. Vet.*
M. H. Leininger, D. V. S., *Asst. Vet.*
C. T. Loy, D. V. M., *Jr. Vet.*
C. M. McCoy, D. V. M., *Asst. Vet.*
P. S. McLaughlin, D. V. M., *Asst. Vet.*
A. M. Meade, D. V. S., *Asst. Vet.*
W. J. Mulroony, M. D. V., *Jr. Vet.*
C. F. Nord, D. V. S., *Jr. Vet.*
W. F. Osterholtz, D. V. M., *Asst. Vet.*
V. V. Shattuck, D. V. M., *Asst. Vet.*
D. F. Stouffer, D. V. S., *Asst. Vet.*
E. A. Boyer, B. S., *Assoc. Chem., in charge of Lab.*
F. P. St. Clair, D. V. M., M. D., *Sr. Vet., Traveling Vet. Insp.*
Nevada:
Reno—
L. C. Butterfield, D. C. M., *Assoc. Vet., Insp* in charge.
R. N. Ashley, D. V. M., *Asst. Vet.*
New Hampshire:
Claremont—
G. A. Patterson, *Prin. Lay Insp., in charge.*
Keene—
T. W. Carnachan, M. R. C. V. S., *Asst. Vet., insp. in charge.*
Manchester—
W. F. Quigley, *Prin. Lay Insp., in charge.*
New Jersey:
Jersey City—
E. H. Baumann, D. V. M., *Assoc. Vet., Insp. in charge.*
H. E. Benge, D. V. M., *Jr. Vet.*
J. Jacobs, D. V. S., *Jr. Vet.*
O. Nelson, V. M. D., *Asst. Vet.*
A. Packer, D. V. M., *Asst. Vet.*
F. C. Willson, D. V. M., *Asst. Vet.*
Newark—
C. L. Elliott, D. V. M., *Assoc. Vet., Insp. in charge.*
J. J. Cattanach, D. V. S., *Asst. Vet.*
C. W. Humphrey, D. V. M., *Asst. Vet.*
J. J. Martin, D. V. S., *Asst. Vet.*
F. J. Maurer, D. V. M., *Asst. Vet.*
W. F. Osborn, D. V. S., *Asst. Vet.*
G. M. Parrish, D. V. M., *Jr. Vet.*
F. E. Pinkerton, D. V. M., *Asst. Vet.*
R. E. Watson, D. V. M., *Jr. Vet.*

FIELD STATIONS—Continued.
New Jersey—Continued.
Paterson—
J. Huelsen, D. V. S., *Assoc. Vet., Insp. in charge.*
F. J. Glynn, D. V. S., *Asst. Vet.*
W. Grimes, D. V. S., *Asst. Vet.*
New York:
Albany—
G. H. Woolfolk, D. V. S., *Assoc. Vet., Insp. in charge.*
C. R. Quillin, D. V. S., *Jr. Vet.*
C. C. Taylor, D. V. M., *Jr. Vet.*
Buffalo—
B. P. Wende, V. S., *Sr. Vet., Insp. in charge.*
W. C. Wooton, V. S., *Asst. Vet., Super.*
E. R. Jackson, D. V. M., *Asst. Vet., Supvr.*
J. M. Chase, V. S., *Asst. Vet.*
R. J. Dunlavey, D. V. M., *Asst. Vet.*
T. J. Foley, D. V. M., *Jr. Vet.*
F. L. Foster, D. V. M., *Asst. Vet.*
M. J. Hastings, D. V. M., *Asst. Vet.*
B. A. Hyatt, D. V. M., *Asst. Vet.*
A. McConnell, D. V. M., *Jr. Vet.*
J. H. O'Leary, D. V. M., *Asst. Vet.*
B. S. Shattuck, D. V. M., *Asst. Vet.*
J. Stafford, D. V. S., *Asst. Vet.*
C. A. Trapkey, D. V. M., *Jr. Vet.*
A. G. Ward, D. V. M., *Jr. Vet.*
H. R. Yost, D. V. M., *Asst. Vet.*
New York—
D. R. Gillies, V. S., M. D., *Sr. Vet., Insp. in charge and Traveling Vet. Insp.*
M. Brodner, D. V. S., *Asst. Vet., Supvr.*
W. W. Lawson, M. D. C., *Asst. Vet. Supvr.*
M. W. Cohen, D. V. M., *Asst. Vet., Supvr.*
H. B. Ballou, D. V. M., *Asst. Vet.*
S. O. Benson, D. V. M., *Jr. Vet.*
C. R. Biederman, D. V. S., *Asst. Vet.*
P. F. Carr, D. V. M., *Jr. Vet.*
M. J. Doyle, D. V. S., *Jr. Vet.*
J. A. Eadie, D. V. S., *Asst. Vet.*
B. J. Eno, D. V. M., B. S., *Jr. Vet.*
S. H. Exley, D. V. M., *Jr. Vet.*
S. Friedman, D. V. M., *Jr. Vet.*
C. Greenhaus, D. V. M , *Asst. Vet.*
C. G. Haber, D. V. M., *Jr. Vet.*
C. Hassel, D. V. S., *Asst. Vet.*
M. F. Henry, D. V. S., *Asst. Vet.*
M. Isaac, D. V. S., *Asst. Vet.*
J. D. Jarman, D. V. M., *Jr. Vet.*
S. H. Johnston, D. V. S., *Asst. Vet.*
G. A. Kuhn, D. V. M., B. S., *Jr. Vet.*
C. F. Lipp, D. V. M., *Jr. Vet.*
A. R. Miller, D. V. M., *J. Vet.*
M. J. Murphy, D. V. S, *Asst. Vet.*
H. S. Nevius, D. V. M., *Jr. Vet.*
J. L. Oyarzaba, D. V. M., *Jr. Vet.*
M. Paolone, D. V. S., *Asst Vet.*
L. J. Pate, D. V. M., *Jr. Vet.*
E. S. Ring, D. V. S., *Asst. Vet.*
A. Salinger, V. M. D., *Asst. Vet.*
G. A. Schwamm, D. V. M., *Jr. Vet.*
C. A. Trapkey, D. V. M., *Jr. Vet.*
A. J. Wahn, D. V. M., *Jr. Vet.*
H. L.Winder, D. V. M., *Jr. Vet.*
J. M. Young, D. V. S., *Ass . Vet.*

FIELD STATIONS—Continued.
New York—Continued.
New York—Continued.
W. F. Schroeder, B. S., *Assoc. Chem., in charge of Lab.*
D. Edelman, B. S., *Asst. Chem.*
Pearl River—
F. A. Grenfell, D. V. M., *Assoc. Vet., Insp. in charge.*
South Kortright—
A. W. Kay, D. V. S., *Asst. Vet., Insp. in charge.*
North Carolina:
Charlotte—
Jacob Vogel, *Prin. Lay Insp., in charge.*
Wilmington—
A. H. Carpenter, *Prin. Lay Insp., in charge.*
North Dakota:
Grand Forks—
J. A. Thompson, D. V. S., B. S., *Assoc. Vet. Insp. in charge.*
West Fargo—
J. H. Kitzhofer, D. V. S., *Assoc. Vet., Insp. in charge.*
H. D. Osborne, D. V. M., *Asst. Vet.*
F. M. Shigley, D. V. M., *Jr. Vet.*
M. M. Woods, D. V. M., *Asst. Vet.*
Ohio:
Athens—
P. J. Huffman, jr., D. V. S., *Asst. Vet., Insp. in charge.*
Cincinnati—
W. C. Herrold, D. V. S., *Vet., Insp. in charge.*
A. E. Montgomery, D. V. M., *Asst. Vet. Supvr.*
H. W. Butz, D. V. M., *Asst. Vet.*
A. B. Elstun, D. V. M., *Asst. Vet.*
C. A. Engleman, D. V. M., *Asst. Vet.*
F. G. Hahn, D. V. M., *Asst. Vet.*
A. J. Hauck, D. V. M., *Asst. Vet.*
J. W. Hermann, D. V. M., *Asst. Vet.*
A. A. Hiett, D. V. M., *Asst. Vet.*
J. B. Hill, B S., *Asst. Vet.*
F. G. Kneup, D. V. M., *Asst. Vet.*
F. A. Kruse, D. V. S., *Asst. Vet.*
G. E. Mitchell, D. V. M., *Asst. Vet.*
W. Poseiner, D. V. M., *Jr. Vet.*
W. W. Renter, D. V. M., *Asst. Vet.*
J. A. Rudolph, D. V. M., *Jr. Vet.*
H. L. Shale, D. V. M., *Asst. Vet.*
C. L. Stricker, D. V. M., *Asst. Vet.*
C. F. Stroehlein, D. V. M., *Asst. Vet.*
Cleveland—
C. J. Millen, D. V. M., *Vet., Insp. in charge.*
G. E. Aidman, D. V. M., *Asst. Vet.*
V. F. Croft, D. V. S., *Jr. Vet.*
S. G. Fortune, D. V. M., *Asst. Vet.*
H. A. Fox, D. V. M., B. S., *Asst. Vet.*
D. O. Herron, D. V. M., *Asst. Vet.*
F. E. Hill, D. V. M., *Asst. Vet.*
M. R. Jollie, D. V. M., *Asst. Vet.*
L Kochman, D. V. M., *Asst. Vet.*
G. C. Mawer, D. V. M., *Asst. Vet.*
H. H. Myers, V. S., *Asst. Vet.*
R. P. Salisbury, D. V. M., *Asst. Vet.*
A. C. Stein, D. V. M., *Asst. Vet.*
B. H. Steiner, D. V. M., *Jr. Vet.*

FIELD STATIONS—Continued.
Ohio—Continued.
Cleveland—Continued.
E. E. Steiner, D. V. M., *Asst. Vet.*
J. T. Stuart, D. V. S., *Asst. Vet.*
C. L. Wrinkle, D. V. M., *Jr. Vet.*
Columbus—
O. W. Everly, D. V. S., *Assoc. Vet., Insp. in charge.*
T. V. Coe, D. V. M., *Asst. Vet*
L. E. Davis, V. S., *Asst. Vet.*
G. D. Jelen, D. V. M.. *Jr. Vet.*
T. E. Nichols, D. V. M., *Asst. Vet.*
T. M. Powell, D. V. M., *Asst. Vet.*
Dayton—
C. H. Herrold, M. D. V., V. S., *Assoc. Vet., Insp. in charge.*
W. H. Borchers, D. V. M., *Asst. Vet.*
S. C. Brouse, D. V. M., *Asst. Vet.*
F. E. Theobald, D. V. M., *Asst. Vet.*
N. C. Wheeler, M. D. C., B. A., *Jr. Vet*
Fostoria—
A. W. Combs, D. V. M., *Asst. Vet., Insp. in charge.*
Piqua—
A. N. Smith, V. M. D., *Asst. Vet., Insp. in charge.*
J. R. Addison, D. V. M., *Jr. Vet.*
Sidney—
F. L. Tritle, D. V. S., *Asst. Vet., Insp. in charge.*
Washington Court House—
Albert Wiltshire, *Prin. Lay Insp., in charge.*
Youngstown—
H. L. Bollinger, *Prin. Lay Insp., in charge.*
Zanesville—
W. O. McHugh, V. S., *Asst. Vet., Insp. in charge.*
Oklahoma:
Oklahoma City—
E. F. Cary, D. V. S., *Assoc. Vet., Insp. in charge.*
H. H. Glenn, M. D. C., *Asst. Vet.*
T. A. Jones, D. V. S., *Asst. Vet.*
O. H. Leonhart, D. V. S., M. D. C., *Asst. Vet.*
S. M. Meredith, D. V. S., *Asst. Vet.*
R. R. Parker, D. V. M., *Asst. Vet.*
H. E. Smith, D. V. M., *Asst. Vet.*
J. W. Stults, D. V. M., *Asst. Vet.*
W. T. Vilott, D. V. M., *Asst. Vet.*
Oregon:
Portland—
M. O. Anderson, V. S., *Assoc. Vet., Insp. in charge.*
A. J. Dinse, D. V. S., *Asst. Vet.*
A. H. Julien, V. S., *Asst. Vet.*
M. S. Lantz, D. V. S., *Asst. Vet.*
G. D. Loder, D. V. M., *Asst. Vet.*
C. M. Riley, M. D. V., *Asst. Vet.*
Pennsylvania:
Allentown—
H. J. Boyer, D. V. M., *Asst. Vet., Insp. in charge.*
N. K. Fegley, D. V. S., B. E., *Asst. Vet.*
E. E. Manter, D. V. M., *Asst. Vet.*

FIELD STATIONS—Continued.
Pensylvania—Continued.
Erie—
E. P. Barnhart, D. V. M., *Asst. Vet., Insp. in charge.*
A. C. Edwards, D. V. M., *Asst. Vet.*
Hallstead—
S. M. Page, V. M. D., *Asst. Vet., Insp. in charge.*
Harrisburg—
W. C. Siegmund, D. V. S., *Assoc. Vet., Insp. in charge.*
W. H. Yingst, V. S., *Asst. Vet.*
Philadelphia—
Thomas Castor, V. M. D., *Assoc. Vet., Insp. in charge.*
M. L. Crans, D. V. M., *Asst. Vet., Supvr.*
C. S. Rockwell, V. M. D., *Asst. Vet., Supvr.*
J. M. Baxter, D. V. M., *Asst. Vet.*
W. S. Clark, D. V. S., *Asst. Vet.*
G. M. Garrett, V. M. D., *Asst. Vet.*
S. F. Griesemer, D. V. M., *Asst. Vet.*
H. D. Hackler, V. S., *Asst. Vet.*
J. D. Hartman, D. V. S., *Asst. Vet.*
D. A. Heyne, V. M. D., *Asst. Vet.*
G. D. Homa, V. M. D., *Asst. Vet.*
M. J. Maloney, D. V. M., *Asst. Vet.*
W. Mink, D. V. M., *Asst. Vet.*
C. A. Parkerson, jr., D. V. S., *Asst. Vet.*
R. O. Rothermel, D. V. M., *Asst. Vet.*
A. Spitz, V. M. D., *Asst. Vet.*
J. H. Zollinger, V. M. D., *Asst. Vet.*
Pittsburgh—
H. K. Walter, D. V. M., *Assoc. Vet., Insp. in charge.*
J. M. Bowers, D. V. M., *Jr. Vet.*
W. S. Hileman, V. M. D., *Asst. Vet.*
H. T. Ludwig, D. V. M., *Asst. Vet.*
Pittston—
J. R. Donnelly, V. S., M. D. V., *Asst. Vet., Insp. in charge.*
Pottsville—
G. E. Repp, M. D. C., *Asst. Vet., Insp. in charge.*
C. E. Brown, D. V. M., *Jr. Vet.*
Rhode Island:
Providence—
F. S. Bingham, D. V. S., *Assoc. Vet., Insp. in charge.*
K. G. Cherrington, M. D. V., *Asst. Vet.*
South Dakota:
Huron—
P. P. Taylor, D. V. M., *Asst. Vet., Insp. in charge.*
C. S. Hess, M. D. V., *Asst. Vet.*
O. R. Whitney, D. V. M., *Jr. Vet.*
Sioux Falls—
C. J. Young, D. V. S., *Assoc. Vet., Insp. in charge.*
C. B. Bratager, D. V. M., *Jr. Vet.*
A. G. Ferrin, D. V. M., *Asst. Vet.*
W. J. Scanlon, D. V. M., *Asst. Vet.*
A. E. Slocum, D. V. M., *Asst. Vet.*
J. A. Whealy, D. V. M., *Asst. Vet.*
C. L. White, D. V. S., *Asst. Vet.*

FIELD STATIONS—Continued.
South Dakota—Continued.
Watertown—
L. P. McArdle, D. V. M., *Asst. Vet., Insp. in charge.*
Tennessee:
Chattanooga—
F. H. Collins, V. M. D., *Assoc. Vet., Insp. in charge.*
Walter George, V. S., *Asst. Vet.*
Knoxville—
S. A. King, D. V. S., *Asst. Vet., Insp. in charge.*
F. J. Scheloski, D. V. S., *Asst. Vet.*
J. A. Sluss, D. V. M., *Jr. Vet.*
Memphis—
C. L. E. Kerr, D. V. M., *Asst. Vet., Insp. in charge.*
P. C. Denney, D. V. M., *Jr. Vet.*
R. E. Noyes, D. V. S., *Asst. Vet.*
Morristown—
W. B. Lincoln, D. V. M., *Asst. Vet., Insp. in charge.*
Nashville—
C. P. Hart, V. S., *Assoc. Vet., Insp. in charge.*
D. O. Browning, D. V. M., *Asst. Vet.*
W. B. Smith, D. V. M., *Asst. Vet.*
Union City—
J. H. Byerley, D. V. M., *Asst. Vet., Insp. in charge.*
Texas:
El Paso—
H. R. Collins., D. V. S., *Assoc. Vet., Insp. in charge.*
H. T. Juen, D. V. M., *Asst. Vet.*
Fort Worth—
J. S. Grove, V. S., *Assoc. Vet., Insp. in charge.*
W. C. Alvey, D. V. M., *Asst. Vet.*
C. P. Callaway, D. V. M., *Asst. Vet.*
E. W. Kern, D. V. M., *Asst. Vet.*
G. R. Louden, D. V. M., *Asst. Vet.*
W. K. McConnell, D. V. S., *Asst. Vet.*
P. F. R. Meyer, D. V. M., *Asst. Vet.*
E. W. Nye, D. V. S., *Asst. Vet.*
J. J. Parker, D. V. S., *Asst. Vet.*
E. E. Peacock, D. V. M., *Asst. Vet.*
J. S. Powell, D. V. M., *Asst. Vet.*
J. Ramsey, D. V. M., *Asst. Vet.*
G. J. Roosink, D. V. M., *Jr. Vet.*
J. A. Wilkinson, D. V. M., *Asst. Vet.*
Houston—
C. F. Palmer, V. S., *Assoc. Vet., Insp. in charge.*
D. C. Becker, D. V. M., *Jr. Vet.*
H. Singleton, D. V. S., *Asst. Vet.*
Texarkana—
H. G. Potter, *Prin. Lay Insp., in charge.*
Utah:
Ogden—
W. D. Wright, M. D. C., *Asst. Vet., Insp. in charge.*
J. M. Allen, D. V. M., *Jr. Vet.*
Salt Lake City—
E. P. Durham, D. V. M., *Asst. Vet., Insp. in charge.*
C. W. Picht, D. V. M., *Jr. Vet.*

FIELD STATIONS—Continued.
Vermont:
Hyde Park—
J. L. Orr, D. V. M., *Asst. Vet., Insp. in charge.*
Virginia:
Norfolk—
J. M. Harris, *Prin. Lay Insp., in charge.*
Richmond—
Henry Marshall, D. V. M., *Assoc. Vet., Insp. in charge and Traveling Vet. Insp.*
A. T. Ayers, D. V. M., *Asst. Vet.*
J. K. Chapin, D. V. M., *Asst. Vet.*
T. A. Harrison, D. V. S., *Asst. Vet.*
R. M. Putnam, D. V. M., *Asst. Vet.*
C. E. Thompson, D. V. M., *Asst. Vet.*
W. I. Wilkins, D. V. M., *Asst. Vet.*
Washington:
Seattle—
C. L. Norris, D. V. S., *Asso. Vet., Insp. in charge.*
H. C. Fullington, D. V. M., *Asst. Vet.*
D. S. Kay, D. V. S. A., M. Sc., *Asst. Vet.*
G. E. Sloulin, V. S., *Jr. Vet.*
Spokane—
E. D. Kennedy, D. V. S., *Assoc. Vet., Insp. in charge.*
J. A. Grau, D. V. S., *Asst. Vet.*
C. A. Hulbush, M. D. V., *Asst. Vet.*
W. R. Kidwell, D V. M., *Jr. Vet.*
J. H. Stephens, D. V. M., *Asst. Vet.*
Tacoma—
J. S. Kelly, D. V. S., *Assoc. Vet., Insp. in charge.*
L. C. Bowling, D. V. M., A. B., *Jr. Vet.*
R. A. McDonald, D. V. S., *Asst. Vet.*
Walla Walla—
R. S. Griffin, D V. M., *Asst. Vet., Insp. in charge.*
Yakima—
A. J. Maloney, D. V. M., *Asst. Vet., Insp. in charge.*
West Virginia:
Wheeling—
G. W. Famous, V. M. D., *Assoc. Vet., Insp. in charge.*
W. K. Breckenridge, D. V. M., *Asst. Vet.*
F. J. Fike, D. V. M., *Jr. Vet.*
G W. Riley, D V. M., *Asst. Vet.*
Wisconsin:
Eau Claire—
Wm. Fotheringham, V. S., *Asst. Vet., Insp. in charge.*
Green Bay—
W. A. Donegan, *Prin. Lay Insp., in charge.*
Madison—
L. A. Licking, D. C. M., *Asst. Vet., Insp. in charge.*
H. F. Arndt, D. V. M., *Asst. Vet.*
O. A. Christianson, M. D. V., *Asst. Vet.*
Milwaukee—
A. E. Behnke, D. V. S., *Assoc. Vet., Insp. in charge.*
R. J. Digman, M. D. C., *Asst. Vet., Supvr.*
S. P. Bolstad, D. V. M., *Asst. Vet.*
P. J. Cass, M. D. V., *Asst. Vet.*
H. B. Fishback, D. V. M., *Asst. Vet.*

FIELD STATIONS—Continued.
Wisconsin—Continued.
Milwaukee—Continued.
C. L. Gegax, D. V. M., *Asst. Vet.*
T. A. Head, D. V. M., *Asst. Vet.*
H. H. Hobbs, M. D. C., *Jr. Vet.*
C. Houston, D. V. M., *Asst. Vet.*
J. B. Huhn, D. V. M., *Jr. Vet.*
G. C. Janke, D. V. M., *Assi. Vet.*
G. Jerome, D. V. M., *Asst. Vet.*
F. O. Kickbusch, M. D. V., *Asst. Vet.*
H. C. Kornetzky, D. V. M., *Asst. Vet.*
F. D. Meier, D. V M , *Asst Vet.*
G. M. Otis, M. D. C., *Asst. Vet.*
S. A. Richardson, D. V. M., *Jr. Vet.*
W. C. Smith, D. V. M., *Asst. Vet.*
S. C. Varnum, D. V. M., *Jr. Vet.*
F. J. Verduin, D. V. M., *Asst Vet.*
S. J. Walkley, M. D. V., *Asst. Vet.*
A. D. Bullock, D. V. M., *Sr. Vet., Traveling Vet. Insp.*

PACKERS AND STOCKYARDS DIVISION

Directed by Asst. Chief of Bur.
F. W. Miller, D. V. S., *Sr. Econ., Asst. Chief.*

Trade Practices.
F. W. Miller, D. V. S., *Sr. Econ., in charge.*
C. A. Briggs, B. S., M. A., *Weighing Engr.*

Rates and Registration.
G. N. Dagger, B. A., M. A., LL. B., LL. M., *Sr. Econ., in charge.*
H. D. Dozier, A. B., M. A., Ph. D., *Sr. Econ.*
M. O. Cooper, B. S., M. A., LL. B., *Sr. Econ.*
Henry C. Gibbs, LL. B., LL. M., *Sr. Admin. Asst.*
S. J. Harvey, *Sr. Stat.*

Interstate Transportation.
S. O. Fladness, D. V. M., *Sr. Vet., in charge.*
A. J. Raub, *Asst. in Livestock Transp. Inv.*

Audits and Accounts.
John J. Bachman, B. S. C., C. P. A., *Chief Acct., in charge.*
W. J. Nevius, *Exam. of Acct.*
M. P. Jacoby, *Asst. Acct.*
FIELD HEADQUARTERS.
Colorado—Denver:
B. J. Westinghouse, *Sr. Acct.*
District of Columbia—Washington:
R. H. Burnette, *Asst. Act.*
C. V. Evans, *Asst. Acct.*
R. E. Watson, *Asst. Acct.*
Illinois:
Chicago—
H. G. Burns, *Acct.*
R. L. Cottingham, *Asst. Acct.*
National Stock Yards—
G. J. Svoboda, *Sr. Acct.*
G. M. Thomas, *Asst. Acct.*
Minnesota—St. Paul:
E. J. Kohler, *Sr. Acct.*
Missouri—Kansas City:
E. J. Bolas, *Assoc. Acct.*
E. R. Hart, *Assoc. Acct.*
M. W. Taylor, *Asst. Acct.*
Nebraska—Omaha:
H. M. Baughman, *Assoc. Acct.*
H. E. Bufkin, *Sr. Acct.*

Valuation (Field).
Missouri—Kansas City:
H. C. Henrici, B. S., *Chief Valuation Engr.*
A. T. Cushing, M. S., *Valuation Engr.*
W. O. Galbreath, B. S., *Stockyard Appraiser.*
J. E. Johnson, B. S. in C. E., *Assoc. Stockyard Appraiser.*
A. F. Schramm, A. B., *Assoc. Stockyard Appraiser.*
H. E. McClintock, C. E., *Assoc. Stockyard Appraiser.*

Weighing (Field).
Missouri—Kansas City:
F. B. Fell, *Assoc. Weight Supvr.*
Ohio—Cincinnati:
W. L. Frank, B. S. in Agr., *Asst. Weight Supvr.*

Stockyard Supervision (Field).
Alabama—Montgomery:
S. M. Price, *Dist. Supvr.*
California—Los Angeles:
C. D. Ashmore, D. V. S., *Dist. Supvr.*
Colorado—Denver:
J. Christensen, *Field Asst. to Chief.*
L. W. Krake, *Dist. Supvr.*
H. E. Armstrong, *Asst Supvr.*
Illinois:
Chicago—
V. E. Foster, *Dist. Supvr.*
M. Guillaume, D. V. M., *Assoc. Supvr.*
T. J. Keogh, *Asst. Supvr.*
National Stockyards—
C. S. Jones, B. S., *Dist. Supvr.*
Indiana—Indianapolis:
A. W. Joy, B. S., *Dist. Supvr.*
Iowa—Sioux City:
R. L. Lisle, *Dist. Supvr.*
Kansas—Wichita:
O. E. Dyson, D. V. S., *Dist. Supvr.*
Minnesota—South St. Paul:
W. A. Williams, Ph. B., *Dist. Supvr.*
Missouri:
Kansas City—
G. E. Butin, D. V. S., *Dist. Supvr.*
C. D. Boardman, B. S., M. D., *Field Asst.*
South St. Joseph—
J. R. Plumb, A. B., *Dist. Supvr.*
Nebraska—Omaha:
C. F. Walker, *Dist. Supvr.*
New York:
Buffalo—
J. F. Gibbons, *Dist. Supvr.*
New York—
F. J. Miller, *Dist. Supvr.*
Ohio:
Cincinnati—
M. L. Haskell, LL. B., *Dist. Supvr.*
Cleveland—
L. C. Jennings, *Dist. Supvr.*
Oregon—North Portland:
P. McCormick, jr., B. S., *Dist. Supvr.*
Pennsylvania—Pittsburgh:
A. H. Keener, *Acting Dist. Supvr.*
Tennessee—Nashville:
T. J. Perrin, *Dist. Supvr.*
Texas—Fort Worth:
J. H. Ruff, *Dist. Supvr.*

Public Stockyards Inspection (Field).

Alabama:
- Birmingham—
  - R. H. Nutt, D. V. M., *Asst. Vet., Insp. in charge.*
- Montgomery—
  - R. E. Jackson, V. S., *Assoc. Vet., Insp. in charge.*
  - J. M. Lawson, D. V. S., *Asst. Vet., Supvr.*

California:
- Los Angeles—
  - E. P. Schaffter, V. S., *Assoc. Vet., Insp. in charge.*
  - A. T. Coleman, D. V. S., *Asst. Vet.*
- So. San Francisco—
  - H. H. Hicks, M. D. V., *Assoc. Vet., Insp. in charge.*

Colorado—Denver:
- W. E. Howe, D. V. M., *Assoc. Vet., Insp. in charge.*
- W. C. Dye, D. V. S., *Asst. Vet., Supvr.*
- C. E. Ranney, D. V. S., *Asst. Vet.*
- F. H. Sharp, D. V. M., *Jr. Vet.*

District of Columbia—Washington:
- A. R. Smith, V. M. D., *Assoc. Vet., Insp. in charge.*

Florida—Jacksonville:
- T. W. Cole, D. V. M., *Vet., Insp. in charge.*
- J. W. Casey, D. V. M., *Asst. Vet.*

Georgia—Atlanta:
- A. L. Hirleman, D. V. M., *Assoc. Vet., Insp. in charge.*

Illinois:
- Chicago—
  - Herman Busman, V. S., M. D., *Sr. Vet., Insp. in charge.*
  - W. W. Worcester, V. S., *Asst. Vet., Supvr.*
  - B. H. Steigleder, D. V. M., *Asst. Vet.*
  - Israel Wallman, D. V. M., *Asst. Vet.*
  - J. J. Mollengraft, D. V. M., *Asst. Vet.*
  - F. C. Mau, D. V. M., *Asst. Vet.*
- National Stock Yards—
  - C. F. Payne, V. S., *Sr. Vet., Insp. in charge.*
  - A. R. Zumwalt, D. V. M., *Asst. Vet., Supvr.*
  - C. R. Graham, D. V. M., *Asst. Vet.*
  - W. L. Cohenour, Jr., D. C. M., *Asst. Vet.*

Indiana:
- Evansville—
  - O. W. Noyes, D. V. S., *Asst. Vet., Insp. in charge.*
  - L. L. Griswell, D. V. M., *Asst. Vet.*
- Indianapolis—
  - G. W. Butler, V. S., *Assoc. Vet., Insp. in charge.*
  - R. C. Vermillion, V. S., D. V. M., *Asst. Vet., Supvr.*
  - J. S. Reno, D. V. M., *Asst. Vet.*

Iowa—Sioux City:
- E. S. Dickey, Ph. C., D. V. S., *Assoc. Vet., Insp. in charge.*
- Perry Zenor, B. S., M. D. C., *Asst. Vet., Supvr.*
- G. E. Golden, M. D. V., *Asst. Vet.*
- E. O. Gisel, D. V. M., *Asst. Vet.*

Kansas:
- Kansas City—
  - J. S. Jenison, D. V. M., *Sr. Vet., Insp. in charge.*
  - John Dickson, D. C. M., *Asst. Vet., Supvr.*

Public Stockyards Inspection—Continued.

Kansas—Continued.
- Kansas City—Continued.
  - W. E. Patterson, D. V. S., *Asst. Vet.*
  - G. E. Maxwell, D. V. S., *Asst. Vet.*
  - E. V. Beaumont, D. V. S., *Asst. Vet.*
  - C. C. Ettling, D. V. S., *Asst. Vet.*
- Wichita—
  - E. W. Barthold, M. D. C., *Assoc. Vet., Insp. in charge.*
  - C. W. Barnhart, D. V. S., *Asst. Vet., Supvr.*

Kentucky—Louisville:
- J. B. Johnson, D. V. M., *Assoc. Vet., Insp. in charge.*
- Guy Bard, V. M. D., *Asst. Vet., Supvr.*
- H. H. Myers, V. S., *Asst. Vet.*

Louisiana—New Orleans:
- G. T. Cole, V. M. D., *Assoc. Vet., Insp. in charge.*
- E. A. Corbin, M. D. C., *Jr. Vet.*

Maryland—Baltimore:
- R. W. Culbert, M. D. V., *Sr. Vet., Insp. in charge.*
- A. B. Angell, V. S., M. D. V., *Asst. Vet.*

Massachusetts—Boston:
- E. A. Crossman, M. D. V., *Sr. Vet., Insp. in charge.*
- W. A. Nannery, M. D. V., *Asst. Vet.*

Michigan—Detroit:
- R. F. Vermilya, D. M. C., *Vet., Insp. in charge.*
- W. G. Adams, D. V. M., *Asst. Vet.*

Minnesota—South St. Paul:
- G. E. Totten, D. C. M., *Sr. Vet., Insp. in charge.*
- Irvin Owens, D. V. S., *Asst. Vet., Supvr.*
- R. H. Harrison, D. V. S., *Asst. Vet.*
- C. E. Redden, D. V. M., *Asst. Vet.*
- R. J. Spain, D. V. M., *Asst. Vet.*

Mississippi—Meridian:
- Hartwell Robbins, D. V. S., *Vet., Insp. in charge.*
- E. J. Meixel, D. V. S., *Asst. Vet.*

Missouri—South St. Joseph:
- B. J. Stockler, D. V. M., *Vet., Insp. in charge.*
- E. J. Cary, D. V. S., *Asst. Vet., Supvr.*
- C. J. Hayward, D. V. M., *Asst. Vet.*

Nebraska—Omaha:
- Frank Jelen, D. V. S., *Sr. Vet., Insp. in charge.*
- D. C. Murdock, M. D. C., *Asst. Vet., Supvr.*
- H. O. Kelpe, D. V. S., *Asst. Vet.*
- C. A. Jerome, D. V. S., *Asst. Vet.*
- G. P. Everly, D. V. S., *Asst. Vet.*
- H. M. Batchelder, D. V. M., *Jr. Vet.*

New Jersey—Jersey City:
- E. H. Baumann, D. V. M., *Assoc. Vet., Insp. in charge.*
- M. J. Myers, V. S., *Asst. Vet., Supvr.*

New York:
- Buffalo—
  - B. P. Wende, V. S., *Sr. Vet., Insp. in charge.*
  - W. R. Fleming, D. V. S., *Asst. Vet.*
  - C. R. Perkins, D. V. M., *Asst. Vet.*
- New York—
  - D. R. Gillies, V. S., M. D., *Sr. Vet., Insp. in charge.*
  - W. J. Cross, D. V. M., *Jr. Vet.*

Public Stockyards Inspection—Continued.
Ohio:
Cincinnati—
W. C. Herrold, D. V. S., *Vet., Insp. in charge.*
F. B. Drake, D. V. M., *Asst. Vet., Supvr.*
Cleveland—
C. J. Millen, D. V. M., *Vet., Insp. in charge.*
G. C. Mawer, D. V. M., *Asst. Vet.*
Dayton—
C. H. Herrold, M. D. V., V. S., *Assoc. Vet., Insp. in charge.*
Oklahoma—Oklahoma City:
L. J. Allen, V. S., *Sr. Vet., Insp. in charge.*
A. H. Denham, D. V. S., *Asst. Vet., Supvr.*
Oregon—Portland:
M. O. Anderson, V. S., *Assoc. Vet., Insp. in charge.*
A. M. Blackwell, V. S., *Asst. Vet., Supvr.*
Pennsylvania:
Lancaster—
H. S. Weber, M. D. V., *Assoc. Vet., Insp. in charge.*
Philadelphia—
Thomas Castor, V. M. D., *Assoc. Vet., Insp. in charge.*
F. S. Hope, V. M. D., *Asst. Vet.*
Pittsburgh—
H. K. Walter, D. V. M., *Assoc. Vet., Insp. in charge.*
W. A. Smith, D. V. S., *Asst. Vet., Supvr.*
South Dakota—Sioux Falls:
C. J. Young, D. V. S., *Assoc. Vet., Insp. in charge.*
Tennessee:
Chattanooga—
F. H. Collins, V. M. D., *Asst. Vet., Insp. in charge.*
Memphis—
C. L. E. Kerr, D. V. M., *Asst. Vet., Insp. in charge.*
Nashville—
C. P. Hart, V. S., *Assoc. Vet., Insp. in charge.*
J. E. Bender, D. V. M., *Asst. Vet.*
Texas:
Forth Worth—
H. L. Darby, D. V. S., *Sr. Vet., Insp. in charge.*
W. L. Endsley, D. V. S., *Asst. Vet., Supvr.*
D. E. Warner, D. V. M., *Asst. Vet.*
G. F. Flaherty, D. V. M., *Asst. Vet.*
A. J. Clark, D. V. M., *Asst. Vet.*
B. A. Taylor, D. V. M., *Asst. Vet.*
San Antonio—
Wm. Thompson, M. D. C., *Assoc. Vet., Insp. in charge.*
J. S. Oldham, D. V. M., *Asst. Vet.*
Utah:
North Salt Lake City—
E. P. Durham, D. V. M., *Asst. Vet., Insp. in charge.*
Ogden—
F. E. Murray, D. V. M., *Assoc. Vet., Insp. in charge.*
M. A. Sappington, D. V. S., *Asst. Vet.*

Public Stockyards Inspection—Continued.
Virginia—Richmond:
Henry Marshall, D. V. M., *Assoc. Vet., Insp. in charge.*
R. M. Putnam, D. V. M., *Asst. Vet.*
Washington:
Seattle—
C. L. Norris, D. V. S., *Assoc. Vet., Insp. in charge.*
J. G. Warwick, D. V. M., *Asst. Vet.*
Spokane—
E. D. Kennedy, D. V. S., *Assoc. Vet., Insp. in charge.*
W. A. Davidson, D. V. S., *Asst. Vet.*
West Virginia—Wheeling:
G. W. Famous, V. M. D., *Assoc. Vet., Insp. in charge.*
Wisconsin—Milwaukee:
A. E. Behnke, D. V. S., *Assoc. Vet., Insp. in charge.*
R. E. Cochrane, M. D. V., *Asst. Vet.*

PATHOLOGICAL DIVISION

John S. Buckley, D. V. S., *Prin. Path., Chief.*
Harry W. Schoening, V. M. D., *Sr. Vet., Asst. Chief.*

Diseases of Animals (Pathology, Bacteriology, Serology, and Immunology).
Harry W. Schoening, V. M. D., *Sr. Vet.*
L. T. Giltner, D. V. M., M. S., *Sr. Vet.*
William S. Gochenour, V. M. D., *Vet.*
William M. Mohler, D. V. M., *Assoc. Vet.*
Chester N. Dale, D. V. M., *Jr. Vet.*
Herbert Rogers, *Minor Sci. Helper.*

Poultry Diseases.
Warren B. Shook, V. M. D., *Assoc. Vet.*

Stock Poisoning by Plants.
C. Dwight Marsh, Ph. D., *Assoc. Physiol.*
Arthur B. Clawson, B. A., *Assoc. Physiol.*
Edward A. Moran, *Jr. Physiol.*
James F. Couch, A. B., A. M., Ph. D., *Assoc. Chem. (Toxicology).*
Herbert Rogers, *Minor Sci. Helper.*

General Pathology.
Robert J. Formad, V. M. D., M. D., *Assoc. Path.*
Gilbert T. Creech, D. V. S., *Assoc. Vet.*

Branch Pathological Laboratories.
Colorado—Denver:
George W. Stiles, M. D., Ph. D., *Assoc. Bact.*
Maude E. Dye,* *Lab. Aid in Bact.*
Florida—Kelsey City:
A. D. Knowles, D. V. M., *Agent in Anaplasmosis Inv.*
Illinois—Chicago:
L. Enos Day, V. S., *Assoc. Vet.*
John S. Bengston, D. V. M., *Asst. Vet.*
Maryland—Bethesda:
Hubert Bunyea, A. B., D. V. S., *Assoc. Vet.*
Clarence D. Stein, V. M. D., *Asst. Vet.*
Walter J. Hall, D. V. M., *Jr. Vet.*
Willard G. Lockwood, D. V. M., *Jr. Vet.*
Nebraska—Omaha:
G. Byron Morse, M. D., Ph D.. V. S . *Assoc. Bact.*

TICK ERADICATION DIVISION

R. A. Ramsay, D. V. S., B. S. A., *Prin. Vet., Chief.*
W. M. MacKellar, V. S., *Sr. Vet., Asst. Chief.*
FIELD STATIONS (work conducted in coop. with States).
Alabama—Birmingham:
R. E. Jackson, V. S., *Assoc. Vet., Insp. in charge.*
Akrkansas—Little Rock:
W. A. McDonald, D. V. M., *Assoc. Vet., Insp. in charge.*
Wm. L. Davis, D. V. S., B. A., *Asst. Vet.*
James T. Mills, D. V. M., *Asst. Vet.*
Allen W. Rice, D. V. M., *Asst. Vet.*
Florida—Jacksonville:
T. W. Cole, D. V. M., *Vet., Insp. in charge.*
T. H. Applewhite, D. V. M., *Assoc. Vet.*
B. N. Lauderdale, D. V. M., *Asst. Vet.*
Wilbur McPherson, D V. M., *Asst. Vet.*
J. P. Mack, D. V. S., *Asst. Vet.*
Edwin L. Peck, D. V. M., *Jr. Vet.*
Dudley B. Pellette, D. V. M., *Asst. Vet.*
Fred E. Rambo, D. V. M., *Asst. Vet.*
John Redmond, D. V. M., *Asst. Vet.*
J. R. Wirthlin, D. V. M., *Asst. Vet.*
John W. Woods, D. V. M., *Asst. Vet.*
John W. Woods, D. V. M., *Asst. Vet.*
John H. Yoder, D. V. M., *Asst. Vet.*
Georgia—Moultrie:
John F. Fahey, D. V. S., *Asst. Vet.*
Louisiana—Baton Rouge:
S. H. Still, D. V. S., *Assoc. Vet., Insp. in charge.*
H. F Kern, D. V. S., *Asst. Vet.*
W. W. Shartle, D. V. M., *Asst. Vet.*
H. A. Taggart, D. V. M., *Asst. Vet.*
Mississippi—Jackson:
Hartwell Robbins, D. V. S., *Vet., Insp. in charge.*
Joseph C. Barney, V. M. D., *Asst. Vet.*
Thomas W. Boman, D. V. M., *Asst. Vet.*
Chalmer W. Chapin, D. V. M., *Asst. Vet.*
Dudley D. Conner, D. V. S., *Asst. Vet.*
Robustiano B. Ferro, D. V. M., *Jr. Vet.*
Nelson N. Hatcher, D. V. M., *Asst. Vet.*
Edgar Heiny, D. V. M., *Asst. Vet.*
Charles E. O'Neal, D. V. M., *Asst. Vet.*
Harry P. Waddle, D. V. S., *Asst. Vet.*
James M. Wingate, D. V. M., *Jr. Vet.*
Oklahoma—Oklahoma City:
L. J. Allen, V. S., *Sr. Vet., Insp. in charge.*
W. L. Hiatt, M. D. C., *Asst. Vet.*
South Carolina—Columbia:
W. K. Lewis, V. S., M. D. V., *Sr. Vet. (coop.), in charge.*
Texas—Fort Worth:
H. L. Darby, D. V. S., *Sr. Vet., Insp. in charge.*
Herbert C. Berger, D. V. M., *Asst. Vet.*
Charles W. Brown, D. V. M., *Jr. Vet.*
James H. Cooper, D. V. M., *Asst. Vet.*
Arthur W. Horstman, D. V. S., *Asst, Vet.*
Rudolf F. Krenek, D. V. M., *Asst. Vet.*
Abner K. Kuttler, D. V. M., *Assoc. Vet.*
Edward E. Maas, D. V. M., *Jr. Vet.*
R. V. Pilgrim, D. V. M., *Asst. Vet.*
Jesse Robards, D. V. S., *Asst. Vet.*
Guy W. Rosenberger, D. V. S., B. S., *Asst. Vet.*
Jesse L. Shabram, D. V. M., *Asst. Vet.*

TUBERCULOSIS ERADICATION DIVISION

A. E. Wight, M. D. V., *Prin. Vet., Chief.*
L. B. Ernest, D. V. M., *Sr. Vet., Asst. Chief*
Elmer Lash, D. V. S., *Vet.*
Hugh M. O'Rear, D. V. M., *Assoc. Vet.* (travels out of Washington).
FIELD STATIONS (work conducted in cooperation with States).
Alabama—Birmingham:
R. E. Jackson, D. V. M., *Assoc. Vet., Insp. in charge.*
G B. Bradshaw, D. V. M., *Jr. Vet.*
R. H. Hamner, D. V. M., *Jr. Vet.*
C. I. Harkins, D. V. M., *Jr. Vet.*
C. C. Middleton, D. V. M., *Asst. Vet.*
Arkansas—Little Rock:
W. A McDonald, D. V. M., *Assoc. Vet.,*
California—Sacramento:
Rudolph Snyder, M. D. C., *Vet., Insp. in charge*
F. E. Allen, M. D. C., *Asst. Vet.*
C. L. Gooding, D. V. M., *Jr. Vet.*
Colorado—Denver:
W. E. Howe, D. V. M., *Assoc. Vet., Insp. in charge.*
Connecticut—Hartford:
R. L. Smith, D. V. S., *Assoc. Vet., Insp. in charge.*
T. J. Ahern, D. V. M., *Asst. Vet.*
F. E. Blake, D. V. M , *Asst. Vet.*
H. B. Davis, D. V. M., *Asst. Vet.*
J. A. Rathbone, D. V. M., *Asst. Vet.*
Florida—Tallahassee:
J. G. Fish, D. V. S., *Asst. Vet., Insp. in charge.*
M. V. Springstun, D. V. M., *Asst. Vet.*
Georgia—Atlanta:
A. L. Hirleman, D. V. M., *Assoc. Vet., Insp. in charge.*
D. A. Appel, D. V. M., *Jr. Vet.*
C. A. Greenig, D. V. M., *Asst. Vet.*
J. R. Love, D. V. M., *Asst. Vet.*
O. B. Peterson, D. V. M., *Asst. Vet.*
Idaho—Boise:
W. A. Sullivan, M. D. V., *Assoc Vet., Insp. in charge.*
J. E. Ellis, D. V. Sc., *Asst. Vet.*
F. H. Melvin, V. M. D., *Asst. Vet.*
W. E. Neary, D. V. M., *Asst. Vet.*
Wm. C. Nye, D. V. M., *Jr. Vet.*
Illinois—Chicago:
J. J. Lintner, M. D. C., *Assoc. Vet., Insp. in charge.*
T. M. Bayler, M. D. C., *Asst. Vet.*
F. F. Fischer, D. V. M., *Asst. Vet.*
Indiana—Indianapolis:
J. E. Gibson, V. S., *Sr. Vet., Insp. in charge.*
E. V. Alexander, D. V. M., *Asst. Vet.*
E. R. Coon, D. V. M., *Jr. Vet.*
E. E. Coshow, D. V. M., *Asst. Vet.*
J. B. Current, D. V. M., *Asst. Vet.*
G. W. Hamilton, D. V. M., *Jr. Vet.*
A. M. Jacoby, D. V. M., *Asst. Vet.*
J. P. Rimstidt, D. V. M., *Asst. Vet.*
R. E. Smith, M. D. V., *Asst. Vet.*
E. D. Wright, B. V. Sc., *Jr. Vet.*

FIELD STATIONS—Continued.

Iowa—Des Moines:
- J. A. Barger, D. V. S., *Sr. Vet., Insp. in charge.*
- B. L. Caudill, D. V. M., *Jr. Vet.*
- L. N. Jargo, D. V. S., D. V. M., *Asst. Vet.*
- H. E. Johnston, D. V. M., *Asst. Vet.*
- A. J. Matter, D. V. M., *Jr. Vet.*
- F. F. Meads, D. V. M., *Jr. Vet.*
- C. J. O'Brien, D. V. M., *Assi. Vet.*
- G. B. Senior, B. V. S., *Jr. Vet.*
- J. P. Simons, D. V. M., *Asst. Vet.*
- G. C. Stong, D. V. M., *Asst. Vet.*
- J. M. Wineinger, D. V. M., *Asst. Vet.*

Kansas—Topeka:
- N. L. Townsend, V. M. D., *Assoc. Vet., Insp. in charge.*
- W. I. Bowersock, D. V. M., *Asst. Vet.*
- L. S. Campbell, D. V. S., *Asst Vet.*
- E. C. Cannon, D. V. S., LL. B., *Asst. Vet.*
- W. A. Decker, D. V. M., *Asst. Vet.*
- F. B. Jones, D. V. S., *Asst. Vet.*
- R. C. Patterson, D. V. M., *Jr. Vet.*
- L. C. Songer, D. V. S., *Asst. Vet.*

Kentucky—Frankfort:
- W. F. Biles, D. V. M., *Assoc. Vet., Insp. in charge.*
- F. C. Akin, M. D. C., *Asst. Vet.*
- A. S. Barnes, D. V. M., *Asst. Vet.*
- A. L. Bevan, D. V. S., *Asst. Vet.*
- J. R. Houchins, D. V. M., *Asst. Vet.*
- F. M. Painter, D. V. M., *Asst. Vet.*
- H. B. Smith, D. V. M., *Jr. Vet.*
- O. M. Webb, D. V. M., *Jr. Vet.*

Louisiana—New Orleans:
- G. T. Cole, V. M. D., *Assoc. Vet., Insp. in charge.*
- A. W. Vornheder, D. V. M., *Asst. Vet.*

Maine—Augusta:
- G. R. Caldwell, V. S., *Assoc. Vet., Insp. in charge.*
- J. R. Corliss, D. V. M., *Jr. Vet.*
- Dk. Eastman, D. V. M., *Asst. Vet.*

Maryland—Baltimore:
- E. B. Simonds, D. V. M., *Assoc. Vet., Insp. in charge.*
- H. L. Armstrong, D. V. M., *Asst. Vet.*
- F. H. Benjamin, D. V. M., *Asst. Vet.*
- C. B. Breininger, M. D. V., *Asst. Vet.*
- J. F. Creedon, D. V. S, *Asst. Vet.*
- A. A. Edelin, D. V. M., *Asst. Vet.*
- W. H. Frakes, D. V. M., *Asst. Vet.*
- R. A. Gregory, D. V. S., *Asst. Vet.*
- J. J. Jones, D. V. M., *Asst. Vet.*
- O. L. Lockwood, D. V. S., *Asst. Vet.*
- C. P. Marcus, D. V. M., *Jr. Vet.*
- J. H. Muller, D. V. S., *Asst. Vet.*
- J. R. Porteus, D. V. S., *Asst. Vet.*
- C. A. Turner, D. V. M., *Jr. Vet.*
- C. B. Weagley, V. S., *Asst. Vet.*

Massachusetts—Boston:
- E. A. Crossman, M. D. V., *Sr. Vet., Insp. in charge.*
- E. M. Aldrich, V. M. D., *Asst. Vet.*
- G. W. Breed, D. V. M., *Jr. Vet.*
- C. W. Clark, V. S., *Asst. Vet.*

FIELD STATIONS—Continued.

Massachusetts—Boston—Continued.
- H. K. Copithorn, V. M. D., *Asst. Vet.*
- H. N. Hill, M. D. V., *Asst. Vet.*
- R. G. Lawton, V. S., *Asst. Vet.*
- W. A. Nannery, M. D. V., *Asst. Vet.*

Michigan—Lansing:
- T. S. Rich, V. S., *Sr. Vet., Insp. in charge.*
- W. H. Beck, V. S., *Asst. Vet.*
- M. P. Hunt, D. V. M., *Asst. Vet.*
- John Keppel, D. V. M., *Asst. Vet.*
- L. F. Maier, D. V. M., *Asst. Vet.*
- Wm. A. Rader, D. V. M., *Asst. Vet.*

Minnesota—St. Paul:
- W. J. Fretz, D. V. S., *Sr. Vet., Insp. in charge*
- S. H. Burgess, D. V. M., *Jr. Vet.*
- F. C. Driver, D. V. M., *Asst. Vet.*
- F. A. Henney, D. V. M., *Jr. Vet.*
- J. N. Holzer, D. V. S., *Asst. Vet.*
- Thos. K. Jones, D. V. M., *Asst. Vet.*
- J. R. Pooley, D. V. S., *Asst. Vet.*
- Henry Roome, V. S., *Asst. Vet.*
- T. W. Scott, V. S., *Asst. Vet.*
- A. M. Taylor, D. C. M., *Asst. Vet.*
- A. L. Walsh, D. V. M., *Jr. Vet.*

Mississippi—Jackson:
- Hartwell Robbins, D. V. S., *Vet., Insp. in charge.*
- L. L. Denson, Jr., D. V. M., *Jr. Vet.*
- J. W. Giffee, D. V. M., *Asst. Vet.*

Missouri—Jefferson City:
- Ralph Graham, D. V. M., *Assoc. Vet. (coop.), Insp. in charge.*
- T. J. Eagle, D. V. S., *Asst. Vet.*
- G. H. Elliott, D. V. S., *Asst. Vet.*
- Marvin Gregory, D. V. M., *Asst. Vet.*
- E. C. Hughes, D. V. M., *Jr. Vet.*
- Ray Kelly, D. V. S., *Asst. Vet.*

Montana—Helena:
- J. W. Murdoch, D. V. S., *Assoc. Vet., Insp. in charge.*
- W. L. Carson, D. V. M., *Asst. Vet.*
- F. E. Clark, D. V. M., *Asst. Vet.*
- F. D. Hylton, D. V. M., *Jr. Vet.*
- L. E. Patton, D. V. M., *Asst. Vet.*

Nebraska—Lincoln:
- A. H. Francis, D. V. M., *Assoc. Vet., Insp. in charge.*
- C. M. Curl, D. V. M., *Asst. Vet.*
- H. W. Knoernschild, D. V. M., *Asst. Vet.*
- H. T. D. Lackie, D. V. M., *Asst. Vet.*
- Jas. B. Lavender, D. V. M., *Jr. Vet.*
- Neil Plank, D. V. M., *Asst. Vet.*
- R. O. Porter, D. V. S., *Asst. Vet.*
- G. A. Posse, D. V. M., *Jr. Vet.*
- D. M. Purdy, B. S. A., D. V. M., *Asst. Vet.*
- W. B. Stegner, D. V. M., *Asst. Vet.*
- E. A. Williams, D. V. M., *Asst. Vet.*

Nevada—Reno:
- L. C. Butterfield, D. C. M., *Assoc. Vet., Insp. in charge.*
- Wm. F. Fisher, D. V. M., *Jr. Vet.*
- Robt. A. Given, D. V. M., *Asst. Vet.*

FIELD STATIONS—Continued.

New Jersey—Trenton:
E. E. McCoy, D. V. M., *Asst. Vet., Insp. in charge.*
G. J. Gruenewald, D. V. M., *Asst. Vet.*

New Mexico—Albuquerque:
F. L. Schneider, B. S., D. V. S., *Sr. Vet., Insp. in charge.*
J. E. Ewers, D. V. Sc., *Asst. Vet.*
F. J. Lingo, L. L. B., D. V. M., *Asst. Vet.*
H. E. Pine, D. V. S., *Asst. Vet.*
C. A. Raque, D. V. S., *Asst. Vet.*

New York—Albany:
H. B. Leonard, D. V. M., *Sr. Vet., Insp. in charge.*
John J. Ash, D. V. M., *Asst. Vet.*
S. D. Bamber, D. V. M., *Asst. Vet.*
F. E. Boyd, V. M. D., *Asst. Vet.*
John R. Burns, D. V. M. *Asst. Vet.*
B. J. Cady, D. V. M., *Asst. Vet.*
N. A. Evans, D. V. M., *Asst. Vet.*
A. C. Farmer, D. V. M., *Asst. Vet.*
J. S. Gwaltney, D. V. M., *Jr. Vet.*
N. H. Howlett, D. V. M., *Asst. Vet.*
M. J. Keman, D. V. M., *Asst. Vet.*
B. C. Meade, D. V. M., *Asst. Vet.*
C. E. Morris, D. V. M., *Asst. Vet.*
D. W. Shaffer, M. D. V., *Asst. Vet.*
Asa Winter, D. V. M., *Jr. Vet.*

North Carolina—Raleigh:
W. C. Dendinger, D. V. M., *Assoc. Vet., Insp. in charge.*
A. A. Husman, D. V. M., *Asst. Vet.*
N. B. Tyler, B. S., D. V. M., *Asst. Vet.*

North Dakota—Bismarck:
H. H. Cohenour, M. D. V., *Assoc. Vet., Insp. in charge.*
C. P. Brady, D. V. M., *Asst. Vet.*
A. M. Brolling, D. V. M., *Asst. Vet.*
Ray Gaskill, D. V. M., *Asst. Vet.*
H. P. LeGore, D. V. M., *Jr. Vet.*
Frederik Low, D. V. M., *Jr. Vet.*
Henry L. Rae, D. V. M., *Jr. Vet.*
G. J. Woiner, D. V. M., *Asst. Vet.*

Ohio—Columbus:
A. J. DeFosset, D. V. M., *Sr. Vet., Insp. in charge.*
E. S. Augsburger, D. V. M., *Asst. Vet.*
C. H. Decker, D. V. M., *Asst. Vet.*
C. S. Elliott, D. V. M., *Asst. Vet.*
T. T. Genre, D. V. M., *Asst. Vet.*
Solon Gillen, D. V. M., *Asst. Vet.*
J. W. Reeder, M. D. C., *Asst. Vet.*
C. A. Sayre, D. V. M., *Asst. Vet.*
G. R. Schaffer, D. V. M., *Jr. Vet.*
W. C. Storch, D. V. M., *Asst. Vet.*
L. R. Sullivan, D. V. M., B. S., *Jr. Vet.*
W. R. Van Ness, M. D. V., *Asst. Vet.*

Oklahoma—Oklahoma City:
L. J. Allen, V. S., *Sr. Vet., Insp. in charge.*
S. A. Watters, D. V. S., *Asst. Vet.*

Oregon—Portland:
S. D. Foster, D. V. S., *Assoc. Vet., Insp. in charge.*
G. D. Bishop, D. V. M., B. S., *Asst. Vet.*
J. P. Madden, D. V. M., *Asst. Vet.*

FIELD STATIONS—Continued.

Oregon—Portland—Continued.
W. E. Thistlewaite, D. V. M., B. S., *Asst. Vet.*
F. H. Thompson, D. C. M., *Asst. Vet.*

Pennsylvania—Harrisburg:
J. B. Reidy, D. V. M., *Assoc. Vet., Insp. in charge.*
M. S. Britten, D. V. M., *Asst. Vet.*
S. L. Dean, D. V. M. *Jr. Vet.*
LaGrange DeWitt, D. V. M., *Asst Vet.*
W. V. McGroarty, V. M. D., *Asst. Vet.*
Carl F. Neis, D. V. M., *Jr. Vet.*
J. R. Urich, D. V. M., *Asst. Vet.*
E. C. Yoder, V. S., *Asst. Vet.*

South Carolina—Columbia:
W. K. Lewis, V. S., M. D. V., *Sr. Vet., Insp. in charge.*
L. S. Baer, D. V. M., *Asst. Vet.*
W. O. Ney, V. S. B., *Asst. Vet.*

South Dakota—Pierre:
J. O. Wilson, D. V. M., *Assoc. Vet., Insp. in charge.*
R. J. W. Briggs, M. D. C., *Asst. Vet.*
E. E. Flory, D. V. S., *Asst. Vet.*
C. F. Rathbun, D. V. S., *Asst. Vet.*

Tennessee—Nashville:
H. L. Fry, D. V. M., *Assoc. Vet., Insp. in charge.*
D. Coughlin, D. V. M., *Asst. Vet.*
E. B. Parker, D. V. S., *Asst. Vet.*

Texas—Fort Worth:
H. L. Darby, D. V. S., *Sr. Vet., Insp. in charge.*
La Roy Noyes, D. V. M., *Asst. Vet.*
Thos. O'Reilly, D. V. M., *Asst. Vet.*
W. W. Whitmore, D. V. M., *Jr. Vet.*

Utah—Salt Lake City:
F. E Murray, D. V. M., *Assoc. Vet., Insp. in charge.*
D. J. Hickey, D. V. S., *Asst. Vet.*
C. L. Jones, D. V. M., *Asst. Vet.*
E. D. Leiby, D. V. M., *Jr. Vet.*
Carl C. Perry, D. V. M., *Jr. Vet.*

Vermont—Montpelier:
L. H. Adams, V. M. D., *Assoc. Vet., Insp. in charge.*
F. J. Bardsley, D. V. M., *Asst. Vet.*
C. O. Benson, D. V. S., *Asst. Vet.*
M. L. Bryant, D. V. M., *Jr. Vet.*
H. C. Rhodes, D. V. M., *Asst. Vet.*
J. E. Spindler, D. V. M., *Asst. Vt.*
J. J. Staab, D. V. M., *Asst. Vet.*

Virginia—Richmond:
R. E. Brookbank, D. V. S., *Assoc. Vet., Insp. in charge.*
R. A. Blackman, D. V. S., *Asst. Vet.*
H. C. Cram, D. V. M., *Jr. Vet.*
J. A. Hailman, D. V. S., *Asst. Vet.*
Wm. M. Hobby, D. V. M., *Asst. Vet.*
E. E. McCoy, D. V. M., *Asst. Vet.*
H. S. Miller, D. V. M., *Asst. Vet.*
H. E. Stearns, D. V. S., *Jr. Vet.*

Washington—Olympia:
J. C. Exline, D. V. M., *Assoc. Vet., Insp. in charge.*
Fred A. Barber, D. V. M., *Asst. Vet.*
M. O. Barnes, D. V. M., B. S., *Jr. Vet.*

FIELD STATIONS—Continued.
Washington—Olympia—Continued.
F. W. Beckman, D. V. M., *Asst. Vet.*
W. E. Beeson, D. V. M., *Jr. Vet.*
E. A. Grubb, D. V. M., *Asst. Vet.*
C. H. Leavitt, D. C. M., *Asst. Vet.*
J. S. Murray, D. V. M., B. S., *Jr. Vet.*
J. M. Smith, V. S., *Asst. Vet.*
West Virginia—Charleston:
H. M. Newton, D. V. M., *Assoc. Vet.* (*coop.*), *Insp. in charge.*
John L. Core, D. V. M., *Jr. Vet.*
R. C. Dickson, D. V. M., *Jr. Vet.*
C. T. Higginbotham, D. V. M., *Asst. Vet.*
A. A. Johnson, D. V. M., *Jr. Vet.*
R. M. Johnson, D. V. M., *Asst. Vet.*
Wisconsin—Madison:
J. S. Healy, M. D. V., *Sr. Vet., Insp. in charge.*
B. H. Borman, D. V. M., *Asst. Vet.*
H. A. Downey, D. V. M., *Asst. Vet.*
J. E. Griffin, D. V. M., *Asst. Vet.*
L. J. Lewis, D. V. M., *Asst. Vet.*
C. B. Lord, D. V. M., *Asst. Vet.*
H. E. Mullen, D. V. M., *Asst. Vet.*
R. E. Nelson, D. V. M., *Asst. Vet.*
W. R. Winner, D. V. M., *Asst. Vet.*
Wyoming—Cheyenne:
John T. Dallas, B. S. A., D. V. M., *Assoc. Vet., Insp. in charge.*
C. E. Wilmot, D. V. M., *Asst. Vet.*

DIVISION OF VIRUS-SERUM CONTROL

D. I. Skidmore, V. S., *Prin. Vet., Chief.*
R. E. Holm, D. V. M., *Sr. Vet., Asst. Chief.*
FIELD STATIONS AND SUBSTATIONS.
California—Stockton:
W. J. Stewart, M. D., D. V. M., *Assoc. Vet., Insp. in charge.*
Colorado—Denver:
E. H. Carter, V. S., M. D. V., *Assoc. Vet., Insp.* in charge.
Georgia—Albany:
C. A. Klein, D. V. M., *Asst. Vet., Insp. in* charge.
Illinois:
Aurora (substa. of East St. Louis)—
C. P. Lunneen, D. V. M., *Asst. Vet.*
East St. Louis—
J. W. Joss, D. V. M., *Assoc. Vet., Insp. in* charge.
W. T. Bollmeier, D. V. M., *Asst. Vet.*
Henry Tornow, D. V.S., *Asst. Vet.*
Whitehall (substa. of East St. Louis)—
Charles Walter, D. V. M., *Asst. Vet.*
Indiana:
Indianapolis—
J. D. Stillwell, D. V. M., *Assoc. Vet., Insp.* in charge.
Thorntown (substa. of Indianapolis)—
G. D. Ashley, D. V. M.. *Asst. Vet.*
Zionsville (substa. of Indianapolis)—
Robert Thumann, D. V. M., *Asst. Vet.*
O. C. Mayer, M. D. V., *Asst. Vet.*
Iowa:
Des Moines (substa. of Fort Dodge)—
F. H. Schafer, D. V. M., *Asst. Vet.*

FIELD STATIONS AND SUBSTATIONS—Continued.
Iowa—Continued.
Fort Dodge—
D. G. Tepfer, D. V. M., *Assoc. Vet., Insp. in charge.*
L. V. Cummings, D. V. M., *Asst. Vet.*
Ottumwa—
E. E. Lollar, D. V. M., *Assoc. Vet., Insp. in charge.*
Sioux City—
L. B. Vermillion, D. V. M., *Assoc. Vet., Insp. in charge.*
Birtwhistle McCormack, D. V. M., *Asst. Vet.*
F. L. Skrable, D. V. M., *Asst. Vet.*
Kansas:
Kansas City—
F. A. Imler, D. V. M., *Sr. Vet., Insp. in charge.*
O. E. Herl, D. V. M., *Asst. Vet., Asst. Insp. in charge.*
G. F. Babb, D. V. S., *Asst. Vet.*
H. J. Boyce, D. V. S., *Asst. Vet.*
A. A. Lemery, D. V. S., *Asst. Vet.*
H. R. McNally, D. V. S., *Asst. Vet.*
P. A. Nulk, D. V. M., *Asst. Vet.*
Theodore Pickett, D. V. S., *Asst. Vet.*
A. C. Trefzer, D. V. S., *Asst. Vet.*
Lathrop (substa. of Kansas City, Kans.)—
J. C. Bolton, D. V. M., *Asst. Vet.*
Manhattan (substa. of Topeka, Kans.)—
F. S. Ratts, D V. M., *Asst. Vet.*
Topeka—
C. B. Clement, D. V. S., *Asst. Vet., Insp. in charge.*
Wichita—
F. N. Elwell, D. V. M., *Assoc. Vet., Insp. in charge.*
Edward Kernohan, D. V. M., *Asst. Vet.*
Minnesota—St. Paul:
C. V. Metcalf, D. V. M., *Asst. Vet., Insp. in charge.*
Missouri:
St. Joseph—
J. S. Clark, D. V. M., *Assoc. Vet., Insp. in charge.*
South St. Joseph (substa. of St. Joseph)—
C. L. Lash, D. V. S., *Asst. Vet.*
West Plains—
J. F. Park, D. V. M., *Asst. Vet., Insp. in charge.*
Nebraska:
Franklin (substa. of Kansas City, Kans.)—
A. L. Faunce, M. D. C., *Asst. Vet.*
Grand Island (substa. of Omaha)—
G. P. Rebold, D. V. M., *Asst. Vet.*
Hooper (substa. of Omaha)—
J. H. Cock, D. V. S., *Asst. Vet.*
Omaha—
H. H. Day, D. V. M., *Assoc. Vet., Insp. in charge.*
J. T. Draper, D. V. S., *Jr. Vet.*
J. C. Murphey, M. D. V., *Asst. Vet.*
L. S. Rohrer, D. V. S., *Asst. Vet.*
Ralston (substa. of Omaha)—
W. C. Hamilton, jr., D. V. M., *Asst. Vet.*
Superior (substa. of Kansas City, Kans.)—
Walter Boyce, D. V. M., *Asst. Vet.*

FIELD STATIONS AND SUBSTATIONS—Continued.
New York—Pearl River:
F. A. Grenfell, D. V. M., *Assoc. Vet., Insp. in charge.*
W. G. Lockwood, D. V. M., *Asst. Vet.*
Ohio:
Columbus (substa. of Indianapolis, Ind.)—
R. N. Birdwhistell, D. V. M., *Asst. Vet.*
Fostoria (substa. of Indianapolis, Ind.)—
E. Lapple, D. V. M., *Asst. Vet.*
Oklahoma—Oklahoma City (substa. of Wichita, Kans.):
G. C. Gulick, D. V. M., *Asst. Vet.*
South Dakota—Sioux Falls (substa. of Sioux City, Iowa):
A. J. Beatty, D. V. M., *Jr. Vet.*
Texas—Fort Worth:
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[1] Cooperative protector.
[2] Cooperative protector; Bureau of Reclamation employee.
[3] Cooperative protector, Bureau of Animal Industry employee.

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[2] Cooperative protector; Bureau of Reclamation employee.

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E. J. Hoffman, A. B., Ph. D., *Assoc. Chem.*
E. D. Gordon, B. S., M. S., *Asst. Engr.*
R. P. Straka, B. S., *Asst. Bact.*
A. M. Bloxton, LL. B., *Asst. Sci. Aid.*

Industrial Relations, Exhibits, Public Information, etc.
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Engineering, Design & Development Service.
J. O. Reed, B. S., *Assoc. Engr.*

Color and Farm Waste Division

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H. P. Newton, A. B., M. A., *Assoc. Chem.*
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Biological Stains.
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M. J. Goss, A. B., LL. B., *Assoc. Chem.*
H. D. Weihe, B. S., *Jr. Chem.*

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H. D. Poore, B. S., *Assoc. Chem.*
J. L. Heid, B. S., *Assoc. Chem.*
C. W. Eddy, B. S., *Jr. Chem.*
G. D. Sorber, A. B., *Jr. Chem.*
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L. H. Bailey, A. B., *Assoc. Chem.*
M. R. Coe, B. S., M. S., *Asst. Chem.*
O. F. Krumboltz, B. S., *Jr. Chem.*

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Vinnie A. Pease, B. S., M. S., Ph. D., *Assoc. Micros.*
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W. A. Gersdorff, B. S., M. S., *Asst. Chem.*

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Maryland—College Park:
J. R. Spies, A. B., *Jr. Chem.*
R. C. Lawless, B. S., *Jr. Chem.*
Washington—Wenatchee:
Stuart W. Griffin, A. B., M. S., *Chem.*
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Paper.
T. D. Jarrell, B. S., M. S., *Assoc. Chem.*
J. M. Hankins, B. S., *Jr. Chem.*

Corn Borer.
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FIELD HEADQUARTERS.
New Jersey—Maplewood:
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SOIL INVESTIGATIONS

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Research in Soil Physics.
L. B. Olmstead, B. S., A. M., *Phys.*
W. H. Fry, A. B., *Soil Petrograper.*

Mechanical Analysis.
Lyle T. Alexander, B. S., *Asst. Chem.*
Hubert W. Lakin, *Jr. Sci. Aid.*
T. M. Shaw, *Under Sci. Helper.*

Research in Soil Chemistry.
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W. O. Robinson, B. S., M. S., *Chem.*
I. C. Brown, B. S., Ph. D , *Assoc. Chem.*
Robert S. Holmes, A. B., *Assoc. Chem.*
J. G. Smith, B. S., M. S., *Assi. Chem.*
Irvin C. Fuestel, B. S., M. S., *Asst. Chem.*

Routine Analysis.
Glen Edgington, B. S., *Asst. Chem.*
G. J. Hough, B. S., *Asst. Chem.*

Soil Erosion.
H. E. Middleton, B. S., M. S., Ph. D., *Assoc. Phys.*
Clarence S. Slater, B. A., M. S., *Asst. Phys.*

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George W. Baumann, *Exec. Asst.*
J. W. McKericher, *Assoc. Cartographer.*
Mark Baldwin, B. S., *Sr. Soil Sci., Insp. Dist. 1.*
W. E. Hearn, B. S., *Sr. Soil Sci., Insp. Dist. 2.*
T. D. Rice, Ph. B., *Sr. Soil Sci., Insp. Dist. 3.*
M. H. Lapham, B. S., *Sr. Soil Sci., Insp. Dist. 5.*
J. E. Lapham, *Assoc. Soil Technol.*
W. J. Geib, B. S., *Assoc. Soil Sci.*
E. M Eastwood, *Assoc Cartographer.*
W. T. Carter, B. S., *Sr. Soil Sci.*
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A. T. Sweet, B. S., *Assoc. Soil Sci.*
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Wm. B. Cobb, A. B., A. M., *Jr. Soil Surv.*
W. J. Leighty, B. S., *Jr. Soil Surv.*
K. V. Goodman, B. S., M. S., *Jr. Soil Surv.*
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Wm. G. Harper, B. S., *Jr. Soil Surv.*
Howard Wm. Higbee, B. S., *Jr. Soil Surv.*
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Leslie R. Smith, B. S., *Jr. Soil Surv.*
John T. Miller, B. S., *Jr. Soil Surv.*
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L. Joseph Moore, B. A., *Asst. Sci. Aid.*
James B. Walker, B. S., *Asst. Sci. Aid.*
Oscar F. Bartholomew, B. S., M. S., *Asst. Sci. Aid.*
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Soil Erosion Investigations.
Hugh H. Bennett, B. S., *Sr. Soil Sci.*
F. L. Duley, B. S., A. M., Ph. D., *Sr. Soil Conserv.*
H. V. Geib, B. S., M. S., *Sci. in Soil Eros.*
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R. H. Davis, B. S., *Assoc. Sci. in Soil Erosion.*
Missouri—Bethany:
R. E. Uhland, B. S., A. M., *Assoc. Sci. in Soil Erosion.*
North Carolina—Statesville:
J. M. Snyder, B. S., *Sci. in Soil Erosion.*
Oklahoma—Guthrie:
S. W. Phillips, B. S., M. S., *Sci. in Soil Erosion.*
Texas—Temple:
G. W. Musgrave, B. S., M. S. A., *Sci. in Soil Erosion.*
Texas—Tyler:
B. H. Hendrickson, B. S., *Sci. in Soil Erosion.*
Washington—Pullman:
W. A. Rockie, B. S., *Sci. in Soil Eros.*

Peat Investigations:
Alfred P. Dachnowski Stokes, A. M., Ph. D., *Physiol.*

SOIL MICROBIOLOGY

Charles Thom, A. B., A. M., Ph. D., *Prin. Mycol in Charge.*

Soil Fungi.
Charles Thom, A. B., A. M., Ph. D., *Prin Mycol.*
Kenneth Raper, A. B., *Jr. Mycol.*

Soil Population.
Nathan R. Smith, B. S., *Sr. Bact.*
H. Humfeld, B. S., Ph. D., *Asst. Bact.*

Soil Inoculation Investigations and Inspection.
Lewis T. Leonard, B. S., M. A., *Bact.*
F. W. Marsh, B. S., *Jr. Bact.*
Samuel H. Newcomer, *Under Sci. Helper.*

General Laboratory Service.
Nitrogen Laboratory—Daniel Ready, *Asst. Scientific Aid.*
Miscellaneous Assistant—George W. Irving, *Under Sci. Helper.*

SOIL FERTILITY

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Soil and Fertilizer Investigations.
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Joshua J. Skinner, B. S., M. S., Ph. D., *Sr. Biochem.*
Lewis A. Hurst, B. S., *Biochem.*
C. C. Fletcher, M. D., *Assoc. Chem.*
G. V. C. Houghland, B. S., M. S., Ph. D., *Assoc. Soil Technol.*

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G. M. Bahrt, B. S., M. S., *Asst. Soil Sci.*
Sugar Cane Soil Studies.
Louisiana—Houma:
Nelson, McKaig, Jr., M. A., M. S., *Assoc. Soil Technol.*
A. M. O'Neal, B. S., *Assoc. Soil Technol.*
Pecan Soil Studies.
Georgia—Albany:
W. H. Rankin, B. S., M. S., Ph. D., *Asst. Soil Technol.*
E. M. Roller, B. S., M. S., Ph. D., *Asst. Chem.*
Louisiana—Shreveport:
Arthur O. Alben, B. S., M. S., Ph. D., *Asst. Soil Technol.*
Sugar Beet Soil Studies.
Nebraska—Scottsbluff:
Eugene S. Lyons, B. S., M. S., *Assoc. Soil Technol.*
North Dakota—Grand Forks:
R. A. Peadleton, B. S., M. S., Ph. D., *Asst. Soil Technol.*
Strawberry Soil Studies.
North Carolina—Chadbourn:
R. E. Lineberry, B. S., M. S., Ph. D., *Asst. Chem.*
Fertilizer Placement Studies.
North Carolina—Chadbourn:
G. H. Serviss, B. S., *Asst. Agron.*
Soil Improvement Studies.
Sand Hill Station.
South Carolina—Columbia:
James E. Adams, A. B., M. S., *Assoc. Soil Technol.*
Wm. M. Quattlebaum, B. S., *Agent.*
Cotton Root-rot Studies.
Texas—Austin:
Paul R. Dawson, A. B., M. A., *Assoc. Biochem.*
H. V. Jordan, B. S., M. A., *Assoc. Soil Technol.*
E. R. Collins, B. S. M. S., Ph. D., *Asst. Soil Technol.*
W. V. Black, B. S., *Asst. Soil Technol.*
J. H. Hunter, B. S., M. S., *Asst. Soil Technol.*
D. R. Ergle, B. S., M. S., Ph. D., *Cooperative Agent.*

Biochemical Investigations of Soils and Fertilizers.
Edmund C. Shorey, A. B., M. A., D. Sc., *Sr. Biochem.*
G. P. Walton, B. S., M. A., *Assoc. Chem.*

Biochemical Investigations of Soils and Fertilizers—Continued.
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Wilbur R. Leighty, B. S., M. S., *Assoc. Biochem*
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J. B. Martin, A. B., M. S., *Asst. Chem.*
John A. Schricker, B. S., *Jr. Chem.*

Soil Reaction Studies.
Edward F. Snyder, B. S., *Asst. Biochem.*

Greenhouse Studies.
Fred R. Reid, *Asst. Biochem.*

FERTILIZER AND FIXED NITROGEN INVESTIGATIONS

C. H. Kunsman, B. S., M. S., Ph. D., *Actg. Chief.*
O. L. Helsley, *Exec. Asst.*
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S. Brunauer, A. B., M. S., *Jr. Chem.*
V. M. Mosley, *Under Lab. Appren.*

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R. Wiebe, B. S., Ph. D., *Assoc. Chem.*
R. T. Milner, B. S., M. S., Ph. D., *Assoc. Chem.*
J. C. Southard, B. S., Ph. D., *Asst. Chem.*
T. H. Tremearne, *Jr. Chem. Engr.*
E. Z. Kibbe, A. B., *Jr. Chem.*
S. Weiner, *Jr. Chem.*

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M. E. Jefferson, *Minor Lab. Appr.*
C. P. Heins, Jr., *Under Lab. Appr.*

Activation and Ionization.
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R. A. Nelson, *Asst. Sci. Aid.*
P. D. Kueck, *Jr. Sci. Aid.*
R. R. Miller, A. B., *Asst. Sci. Aid.*

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V. L. Gaddy, A. B., *Asst. Chem.*
C. A. Black, A. B., M. S., *Jr. Chem. Engr.*

Economics.
P. E. Howard, B. S., *Sr. Chem. Engr.*

Potash.
J. W. Turrentine, Ph. B., M. S., Ph. D., *Sr. Chem.*
S. L. Madorsky, B. S., Ph. D., *Assoc. Chem.*
E. J. Fox, A. B., M. S., *Assoc. Chem.*
J. R. Adams, B. Chem., *Assoc. Chem.*
D. L. Reed, A. B., M. S., *Asst. Chem.*
J. C. Bryan, *Under Lab. Appr.*

Furnace Methods
P. H. Royster, A. B., M. A., *Chem. Engr.*
H. E. Patten, A. B., A. M., Ph. D., *Asst. Chem.*
L. E. Bowe, A. B., M. S., *Asst. Chem.*
H. I. Lansdon, B. S., Asst. *Chem. Engr.*
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Phosphate.
K. D. Jacob, B. S., M. S., *Chem.*
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H. L. Marshall, B. S., M. S., *Asst. Chem.*
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Concentrated Fertilizers.
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A. L. Mehring, A. B., *Assoc. Chem.*
F. O. Lundstrom, A. B., M. S., *Asst. Chem.*
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Lawrence M. White, A. B., M. S., *Jr. Chem.*

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C. A. Ludwig, B. S. A., M. S. A., Ph. D., *Assoc. Plant Phys.*
H. Lineweaver, *Jr. Sci. Aid.*
C. K. Horner, *Jr. Sci. Aid.*
H. J. Morris, *Under Lab. Appr.*

Relation of Free Nitrogen to Organic Compounds.
G. E. Hilbert, Ch. E., M. S., Ph. D., *Assoc. Chem.*
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L. A. Pinck, B. S., Ch. E., M. S., *Asst. Chem.*
L. B. Howard, B. S., M. S., Ph. D., *Asst. Chem.*
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W. L. Edwards, C. E., *Assoc. Engr.*
J. R. Dilley, M. E., *Assoc. Mech. Engr.*
Constance Sherry, *Asst. Draftsman.*
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Extension.
Southern States—
J. H. McClain, B. S., *Sr. Dairy Husb.*
New England States—
J. B. Parker, B. S. A., *Sr. Dairy Husb.*
Middle Western States—
A. B. Nystrom, M. S., *Sr. Dairy Husb.*
Western States—
R. C. Jones, B. S., *Sr. Dairy Husb.*

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Bacteriology and Chemistry of Milk.
E. O. Whittier, M. S., Ch. E., *Sr. Chem.*
W. C. Frazier, B. S., Ph. D., *Sr. Bact.*
Philip Rupp, Ph. D., M. D., *Assoc. Chem.*
S. P. Gould, B. S., *Asst. Chem.*
Helen U. Wing, B. S., *Jr. Chem.*

Condensed Milk and Milk Powder.
G. E. Holm, M. S., Ph. D., *Sr. Chem.*
G. R. Greenbank, B. A., Ph. D., *Assoc. Chem.*
H. R. Curran, B. S., Ph. D., *Assoc. Bact.*
E. F. Deysher, B. S., *Asst. Chem.*
P. A. Wright, M. A., *Asst. Chem.*
F. E. Kurtz, B. S., *Asst. Chem.*
B. W. Webb, M. S., *Jr. Dairy Mfg. Spec.*

Cheese Manufacturing Investigations.
K. J. Matheson, B. S., *Sr. Dairy Mfg. Spec.*
L. A. Burkey, M. S., Ph. D., *Assoc. Bact.*
P. D. Watson, B. S., *Asst. Chem.*
S. A. Hall, B. S., *Asst. Dairy Mfg. Spec.*
G. P. Sanders, M. S., Ph. D., *Jr. Dairy Mfg. Spec.*

Butter and By-Products.
R. W. Bell, M. S. A., Ph. D., *Assoc. Dairy Mfg. Spec.*
P. N. Peter, B. S., *Asst. Chem.*
Emily Grewe, B. Ed., M. A., Ph. D., *Asst. Home Econ. Spec.*

Ice Cream Investigations.
Alan Leighton, B. S., *Sr. Chem.*
O. E. Williams, B. S., *Asst. Dairy Mfg. Spec.*
Abraham Leviton, M. S., *Jr. Chem.*

Nutrition of Dairy Cows.
E. B. Meigs, A. B., M. D., *Sr. Physiol.*
C. A. Cary, B. S., *Chem.*

Nutrition of Dairy Cows—Continued.
B. H. Nicolet, A. B., Ph. D., *Chem.*
W. A. Turner, M. A., Ph. D., *Assoc. Chem.*
H. T. Converse, B. S., M. A., *Assoc. Dairy Husb.*
A. M. Hartman, M. S., *Asst. Chem.*
E. A. Kane, M. S., *Asst. Chem.*
W. S. Hale, B. S. E., *Jr. Chem.*
C. B. Parker, B. S., *Jr. Chem.*
H. G. Wiseman, B. S., *Jr. Chem.*

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W. W. Swett, B. S., A. M., *Sr. Dairy Husb.*
J. R. Dawson, B. A., A. M., *Sr. Dairy Husb.*
T. E. Woodward, M. S., *Sr. Dairy Husb.*
F. W. Miller, D. V. M., M. S. A., *Sr. Vet. and Physiol.*
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C. J. Stauber, *Asst. Dairy Husb.*
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G. Q. Bateman, B. S., *Agt. (Coop.).*
Washington—Puyallup:
Vacant.

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J. B. Bain, A. B., *Assoc. Mkt. Milk Spec.*
F. M. Grant, B. S., *Asst. Mkt. Milk Spec.*
R. P. Hotis, B. S. A., *Assoc. Mkt. Milk Spec.*

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J. E. Dorman, *Sr. Dairy Husb.*
W. E. Wintermeyer, B. S. A., *Assoc. Dairy Husb.*

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C. S. Trimble, B. S. A., *Assoc. Dairy Mfg. Spec.*
H. L. Wilson, *Assoc. Dairy Mfg. Spec.*
J. G. Winkjer, *Assoc. Dairy Husb.*
FIELD HEADQUARTERS.
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A. J. Boyer, B. S., *Asst. Dairy Mfg. Spec. (Coop.).*
Ohio—Sugar Creek:
R. E. Hardell, B. S. A., *Assoc. Dairy Mfg. Spec. (Coop.).*
Pennsylvania—Grove City:
R. F. Flint, *Agt in Dairying (Coop.).*
C. A. Buck, B. S., *Agt. in Dairying (Coop.).*
Tennessee—Nashville:
L. S. Edwards *Asst. Dairy Mfg. Spec. (Coop.).*
FIELD STATIONS.
Louisiana—Jeanerette:
S. L. Cathcart, B. S., *Agt. in Dairying (Coop.).*
Maryland—Beltsville:
T. W. Moseley, M. S., *Assoc. Dairy Husb. Supt.*
J. H. Kruger, B. S., *Asst. Dairy Husb.*
Missouri—Hannibal:
(Supt. not yet designated.)
Montana—Huntley:
D. V. Kopland, B. S., *Asst. Dairy Husb.*
North Dakota—Mandan:
A. L. Watt, M. S., *Agt. in Dairying (Coop.) Supt.*
Oklahoma—Woodward:
A. G. Van Horn, B. S. A., *Agt. in Dairying (Coop.) Supt.*
Pennsylvania—Grove City:
W. T. Johnson, S. B., *Assoc. Bact.*
G. A. Ramsdell, M. S., *Asst. Chem.*
F. R. Evans, B. S., *Jr. Bact.*
South Carolina—Columbia:
J. A. Riley, M. S., *Agt. (Coop.) Supt.*
E. W. Faires, B. S., *Agt. (Coop.).*
South Dakota—Ardmore:
R. H. Smith, M. S., *Agt in Dairying (Coop.).*
Tennessee—Lewisburg:
J. A. Simms, M. S., *Agt. (Coop.).*

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Carlo Zeimet, *Asst. Bibl. Ent.*
FIELD LABORATORY.
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F. L. Campbell, M. S., D. Sc., *Ent., in charge.*
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J. W. Bulger, M. A., Ph. D., *Assoc. Ent.*
H. H. Shepard, M. S., *Asst. Ent.*
C. Lukens, A. M., *Asst. Biophys.*
Abby Holdridge, *Asst. Sci. Aid.*
Ellen G. Acree, B. A., *Asst. Sci. Aid.*

Apple Insects.
P. W. Mason, M. S., Ph. D., *Assoc. Ent.* (*aphid studies*).
FIELD LABORATORIES.
Arkansas—Bentonville:
A. J. Ackerman, M. S., *Ent., in charge.*
S. A. Summerland, M. A., M. S., *Jr. Ent.*
Indiana—Vincennes:
F. H. Lathrop, B. S., Ph. D., *Sr. Ent., in charge.*
R. F. Sazama, B. S., *Asst. Ent.*
Kansas—Wichita:
Paul M. Gilmer, A. B., Ph. D., *Assoc. Ent., in charge.*
E. W. Howe, B. S., *Jr. Ent.*
Maryland—Takoma Park:
E. H. Siegler, M. S., *Sr. Ent.*
Luther Brown, B. S., *Assoc. Ent.*
Washington:
Wenatchee—
M. A. Yothers, M. S., *Assoc. Ent., in charge.*
Yakima—
E. J. Newcomer, A. B., *Sr. Ent., in charge.*
F. P. Dean, B. S., *Jr. Ent.*
A. Rolfs, jr., B. S., *Jr. Ent.*

Grape Insects.
FIELD LABORATORY.
Ohio—Sandusky:
G. A. Runner, *Assoc. Ent., in charge.*

Nut Insects.
FIELD LABORATORIES.
Georgia:
Albany—
G. F. Moznette, B. S., *Ent., in charge.*
H. S. Adair, B. S., *Asst. Ent.*
Experiment (branch of Albany, Ga., Lab.):
T. L. Bissell, M. S., *Asst. Ent.*
Louisiana—Shreveport (Branch of Albany, Ga., lab.):
H. Baker, B. S., *Asst. Ent.*
Texas—Brownwood (branch of Albany, Ga., lab.):
C. B. Nickels, M. S., *Assoc. Ent.*
J. L. Gardiner, B. S., *Jr. Ent.*

Nut Insect.—Continued.
West Virginia—French Creek:
F. E. Brooks, *Assoc. Ent., in charge.*

Peach Insects.
FIELD LABORATORIES.
France—Antibes:
G. J. Haeussler, B. S., *Asst. Ent., in charge.*
Georgia:
Cornelia—
L. F. Steiner, M. S., *Asst. Ent., in charge.*
F. Munger, B. S., *Jr. Ent.*
D. W. Hamilton, B. S., *Jr. Ent.*
Fort Valley—
O. I. Snapp, M. S., *Ent., in charge.*
J. R. Thomson, jr., M. S., *Jr. Ent.*
Indiana—Vincennes:
Wm. P. Yetter, jr., M. S., *Assoc. Ent.*
J. F. Cooper, B. S., *Jr. Ent.*
New Jersey—Moorestown:
H. W. Allen, Ph. D., *Ent.* (*oriental fruit moth inv.*)
John Gray, M. S., Ph. D., *Ent.*
Tennessee—Harriman:
H. G. Butler, M. S., *Asst. Ent., in charge.*

Blueberry Maggot.
FIELD LABORATORY.
Maine—Cherryfield:
L. C. McAlister, jr., B. S., *Asst. Ent., in charge.*

Japanese and Asiatic Beetles (hdqrs., Moorestown, N. J.).
FIELD LABORATORIES.
Australia:
R. W. Burrell, B. Sc., *Asst. Ent.*
Japan—Yokohama:
T. R. Gardner, B. S., *Assoc. Ent., in charge*
L. B. Parker, B. S., *Asst. Ent.*
New Jersey—Moorestown (hdqrs.):
J. L. King, M. S., *Sr. Ent.*
Henry Fox, B. S., Ph. D., *Assoc. Ent.*
E. R. Van Leeuwen, B. S., *Assoc. Ent.*
F. W. Metzger, B. S., *Assoc. Ent.*
J. K. Holloway, B. S., *Asst. Ent.*
M. C. Swingle, B. S., *Asst. Ent.*
M. H. Brunson, M. S., *Asst. Ent.*
F. E. Baker, B. S., *Asst. Ent.*
J. W. Balock, B. S., *Jr. Ent.*
R. L. Coffin, *Agt.*
R. J. Sim, *Agt.*
P. A. van der Meulen, B. S., Ph. D., *Agt.*
R. Wagner, *Agt.*
A. R. Whitcraft, *Agt.*
H. R. Reidenbaker, *Agt.*
M. M. Haines, *Agt.*
New York—Westbury (Asiatic beetle):
H. C. Hallock, LL. B., M. S., *Assoc. Ent., in charge.*

Plant Disinfection Investigations.
FIELD LABORATORY.
New Jersey—Moorestown:
W. E. Fleming, B. S., Ph. D., *Ent., in charge.*
M. R. Osburn, M. S., *Asst. Ent.*
J. W. Lipp, M. S., *Asst. Ent.*

CEREAL AND FORAGE INSECTS

W. H. Larrimer, M. S., Ph. D., *Prin. Ent., in charge.*
W. R. Walton, *Sr. Ent.*
J. S. Wade, *Assoc. Ent.*
Esther H. Hart, A. B., *Prin. Sci. Illustr.*
Nettie S. Klopfer,* *Under Sci. Helper.*

General Cereal and Forage Insects.
FIELD LABORATORIES.
Arizona—Tempe (clover and alfalfa seed chalcis, corn ear worm, alfalfa caterpillar, grasshoppers, and aphids):
V. L. Wildermuth, B. S., *Ent., in charge.*
J. C. Frankenfeld, M. S., *Assoc. Ent.*
E. E. Russell, *Asst. Ent.*
E. G. Davis, B. S., *Asst. Ent.*
Olus L. Barnes, M. S., *Jr. Ent.*
Loyd L. Stitt, B. S., *Jr. Ent.*
Ethel G. Mitchell, *Under Sci. Helper.*
Marydea Thomas, *Under Sci. Helper.*
California—Sacramento (grasshoppers, Hessian fly, wireworms, and range craneflies):
R. A. Blanchard, A. B., *Assoc. Ent., in charge.*
C. C. Wilson, B. S., *Asst. Ent.*
Georgia—Savannah (branch of Charlottesville, Va., lab.):
G. W. Barber, M. S., D. Sc., *Assoc. Ent.*
Indiana—West Lafayette (Hessian fly, sod webworms, lesser clover leaf weevil, grasshoppers, and chinch bug):
C. M. Packard, M. S., *Sr. Ent., in charge.*
H. R. Painter, M. S., *Assoc. Ent.*
G. G. Ainslie, M. S., *Assoc. Ent.*
W. B. Noble, B. S., *Asst. Ent.*
Curtis Benton, M. S., *Jr. Ent.*
Iowa—Sioux City (pale western cutworm, chinch bug, Hessian fly, and wheat stem sawfly):
C. N. Ainslie, M. A., *Asst. Ent., in charge.*
Kansas—Wichita (Hessian fly, chinch bug, green bug, white grubs, and false wireworms):
J. R. Horton, B. S., *Ent., in charge.*
E. T. Jones, A. M., *Asst. Ent.*
H. H. Walkden, B. S., *Asst. Ent.*
Missouri—Webster Groves (Hessian fly, billbugs, wheat jointworm, strawworms, and chinch bug):
A. F. Satterthwait, *Assoc. Ent., in charge.*
R. C. Lange, *Asst. Sci. Aid.*
Montana—Bozeman (grasshoppers and crickets):
J. R. Parker, M. S., Ph. D., *Sr. Ent., in charge.*
R. L. Shotwell, A. M., *Asst. Ent.*
Oregon—Forest Grove (clover root borer, wireworms, Hessian fly, wheat midge, aphids, and grasshoppers):
L. P. Rockwood, B. S., *Ent., in charge.*
T. R. Chamberlin, B. S., *Assoc., Ent.*
M. M. Reeher, A. B., *Asst. Ent.*
Pennsylvania—Carlisle (Hessian fly and its parasites):
C. C. Hill, B. S., *Assoc. Ent., in charge.*
J. S. Pinckney, B. S., *Asst. Ent.*
Edgar J. Udine, *Jr. Ent.*

General Cereal and Forage Insects—Continued.
FIELD LABORATORIES—Continued.
Texas:
Beaumont (branch of San Antonio, Tex., lab.) (sugarcane moth borer)—
A. I. Balzer, B. S., *Asst. Ent.*
San Antonio (sorghum midge, grasshoppers, green bug, and southwestern corn borer)—
E. V. Walter, B. S., *Assoc. Ent., in charge.*
A. A. Mathewson, M. S., *Asst. Ent.*
Lee Seaton, *Asst. Sci. Aid.*
Utah—Salt Lake City (alfalfa weevil and its parasites):
G. I. Reeves, A. B., *Sr. Ent., in charge.*
I. M. Hawley, Ph. D., *Sr. Ent.*
J. C. Hamlin, M. S., Ph. D., *Assoc. Ent.*
S. J. Snow, A. B., *Asst. Ent.*
Virginia:
Rosslyn (Arlington Exp. Farm) (leaf hoppers and other forage-crop insects)—
F. W. Poos, M. A., Ph. D., *Sr. Ent., in charge.*
F. F. Smith, B. S., Ph. D., *Assoc. Ent.*
J. W. Scrivener, *Agt.*
Charlottesville (wheat jointworm, corn ear worm, and larger cornstalk borer)—
W. J. Phillips, M. S. Ph. D., *Sr. Ent., in charge.*
F. F. Dicke, B. S., *Asst. Ent.*
John C. Shiver, B. S., *Jr. Ent.*

Sugarcane, Corn, and Rice Insects.
FIELD LABORATORIES.
Louisiana:
Crowley (under direction of Sr. Ent. in charge of New Orleans, La., lab.) (rice insects)—
W. A. Douglas, B. S., *Jr. Ent.*
New Orleans—
T. E. Holloway, B. S., *Sr. Ent., in charge.*
W. E. Haley, *Chief Sci. Aid.*
J. W. Ingram, B. S., *Asst. Ent.*
Peru—Trujillo:
H. A. Jaynes, B. S., *Assoc. Ent.*

European Corn Borer.
FIELD LABORATORIES.
France—Hyères, Var (parasites of corn borer):
H. L. Parker, B. S., D. Sc., *Ent., in charge.*
A. M. Vance, M. S., *Asst. Ent.*
H. D. Smith, B. S., *Asst. Ent.*
W. Gamkrelidze, M. S., *Spec.*
Japan—Yokohama:
W. B. Cartwright, B. S., *Ent.*
C. A. Clark, B. S., *Asst. Ent.*
Massachusetts—Arlington:
D. J. Caffrey, B. S., *Sr. Ent., in charge of research.*
D. W. Jones, B. S., *Ent.*
C. H. Batchelder, M. S., Ph. D., *Assoc. Ent.*
B. E. Hodgson, B. S., *Assoc. Ent.*
S. M. Dohanian, M. S., *Assoc. Ent.*
W. G. Bradley, B. S., *Asst. Ent.*
R. A. Biron, B. S., *Jr. Ent.*
R. C. Ellis, *Asst. Ent.*
D. D. Questel, B. S., *Jr. Ent.*
Sam O. Hill, B. S., *Jr. Ent.*
John Coveney, B. S., *Jr. Ent.*
Emory D. Burgess, B. S., *Jr. Ent.*

European Corn Borer—Continued.
FIELD LABORATORIES—Continued.
Massachusetts—Arlington—Continued.
N. J. Nerney, *Agt.*
F. S. Vidler, *Sr. Mech.*
H. J. Cronin, *Sr. Sci. Aid.*
Michigan—Monroe:
Philip Luginbill, A. M., Ph. D., *Assoc. Ent., in charge.*
F. L. Simanton, A. M., *Assoc. Ent.*
W. A. Baker, B. S., *Assoc. Ent.*
L. G. Jones, B. S., *Jr. Ent.*
K. D. Arbuthnot, B. S., *Jr. Ent.*
G. T. Bottger, B. S., *Jr. Ent.*
R. J. Webb, B. S., *Jr. Ent.*
Ralph F. Mathes, M. S., *Jr. Ent.*
Virgil F. Kent, M. S., *Jr. Ent.*
New York:
Silver Creek—
L. B. Scott, B. S., *Asst. Ent., in charge.*
K. W. MacLowry, B. S., *Agt.*
Yonkers (branch of Arlington, Mass., lab.)—
M. E. Ryberg, B. S., *Agt.*
Ohio:
Sandusky—
L. H. Patch, B. S., *Assoc. Ent., in charge.*
G. W. Still, B. S., *Asst. Ent.*
C. A. Crooks, B. S., *Jr. Ent.*
Bernard A. App, A. B., *Jr. Ent.*
L. L. Peirce, *Agt.*
Toledo—
Morris Schlosberg, M. S., *Asst. Ent., in charge.*
J. C. Silver, B. S., *Asst. Ent.*
K. W. Babcock, B. S., *Assoc. Ent.*
Ray T. Everly, B. S., *Jr. Ent.*
L. H. Colby, *Agt.*

COTTON INSECTS

(Hdqrs., Tallulah, La.)

B. R. Coad, *Prin. Ent., in charge.*
FIELD LABORATORIES.
Arizona—Tucson:
T. P. Cassidy, B. S., *Ent., in charge.*
A. J. Chapman, B. S., *Jr. Ent.*
H. C. Young, B. S., *Jr. Ent.*
W. A. Stevenson, B. S., *Jr. Ent.*
Louisiana—Tallulah (hdqrs):
B. R. Coad, *Prin. Ent., in charge.*
J. W. Folsom, Sc. B., Sc. D., *Sr. Ent.*
R. C. Gaines, B. S., *Assoc. Ent.*
M. T. Young, B. S., *Assoc. Ent.*
F. H. Tucker, *Sr. Chem.*
G. A. Maloney, *Asst. Ent.*
W. S. Cook, M. A., *Asst. Micros.*
R. W. Moreland, B. S., *Asst. Ent.*
K. P. Ewing. B. S., *Asst. Ent.*
G. L. Smith, B. S., *Asst. Ent.*
J. C. Pearson, B. S., *Jr. Chem.*
P. A. Glick, A. B., M. S., *Asst. Ent.*
G. L. Garrison, *Sr. Sci. Aid.*
South Carolina—Florence:
F. F. Bondy, B. S., *Asst. Ent.*

FIELD LABORATORIES—Continued.
Texas:
Brownsville—
T. C. Barber, B. S., *Asst. Ent., in charge.*
Bryan—
E. W. Dunnam, Ph. D., *Ent.*
El Paso—
F. A. Fenton, M. A., Ph. D., *Sr. Ent., in charge.*
C. S. Rude, M. S., *Asst. Ent.*

FOREST INSECTS

F. C. Craighead, B. A., M. S., Ph. D., *Prin. Ent., in charge.*

Western Bark Beetles.
FIELD LABORATORIES.
Arizona—Prescott:
M. W. Blackman, Ph. D., *Sr. Ent., in charge*
L. G. Baumhofer, B. S., *Asst. Ent.*
California—Palo Alto:
J. M. Miller, B. S., *Sr. Ent., in charge.*
H. L. Person, M. S., *Asst. Ent.*
W. D. Edmonston, *Assoc. Ent.*
Albert Wagner, *Sr. Sci. Aid.*
K. A. Salman, B. S., *Agt.*
Idaho—Coeur d'Alene:
J. C. Evenden, B. S., *Ent., in charge.*
A. L. Gibson, B. S., *Asst. Ent.*
D. DeLeon, B. S., *Asst. Ent.*
H. J. Rust, *Sr. Sci. Aid.*
Oregon—Portland:
F. P. Keen, B. S., *Ent., in charge.*
J. A. Beal, B. S., *Asst. Ent.*
W. J. Buckhorn, *Sci. Aid.*

Forest-Tree Insects.
FIELD LABORATORIES.
Massachusetts—Amherst:
H. J. MacAloney, B. S., M. F., Ph. D., *Asst. Ent., in charge.*
Michigan—Ann Arbor:
S. A. Graham, B. S., M. F., Ph. D., *Collab., in charge.*
North Carolina—Asheville:
——— *Asst. Ent., in charge.*
Virginia—East Falls Church:
R. A. St. George, M. S., *Assoc. Ent., in charge*

Forest-Product Insects.
T. E. Snyder, B. A., M. F., Ph. D., *Sr. Ent.*

Shade-Tree Insects.
William Middleton, M. A., *Assoc. Ent.*
FIELD LABORATORY.
California—Palo Alto:
H. E. Burke, M. S., Ph. D., *Sr. Ent.*

Gipsy Moth and Brown-Tail Moth.
FIELD LABORATORY.
Massachusetts—Melrose Highlands:
C. W. Collins, M. S., *Sr. Ent., in charge.*
T. H. Jones, B. S., *Sr. Ent.*
C. F. W. Muesebeck, B. S., *Sr. Ent.*
R. T. Webber, *Assoc. Ent.*
C. E. Hood, B. S., *Assoc. Ent.*
M. T. Smulyan, B. S., Ph. D., *Asst. Ent.*
J. V. Schaffner, jr., *Asst. Ent.*

Gipsy Moth and Brown-Tail Moth—Continued.
FIELD LABORATORY—Continued.
Massachusetts—Melrose Highlands—Contd.
P. B. Dowden, B. S., *Asst. Ent.*
W. F. Sellers, B. S., *Asst. Ent.*
S. F. Potts, M. S., *Asst. Ent.*
R. C. Brown, B. S., *Asst. Ent.*
D. L. Parker, B. S., *Jr. Ent.*
A. B. Proper, M. S., *Jr. Ent.*
Russell R. Whitten, B. S., *Jr. Ent.*
C. M. Symonds, *Agt.*
R. Wooldridge, *Prin. Sci. Aid.*
I. T. Guild, *Sr. Sci. Aid.*
J. E. R. Holbrook, *Sr. Sci. Aid.*
J. A. Millar, *Sr. Sci. Aid.*
C. L. Griswold, *Asst. Sci. Aid.*

TRUCK-CROP INSECTS

J. E. Graf, A. B., *Prin. Ent., in charge.*
W. H. White, B. S., *Ent.*
Mary F. Benson,* *Sci. Illustr.*

Taxonomy of Truck-Crop Insects.
Doris H. Blake,* A. M., *Asst. Ent.*

Miscellaneous Truck-Crop Insects.
FIELD LABORATORIES.
California:
Santa Ana (branch of Alhambra, Calif., lab.)—
J. C. Elmore, B. S., *Asst. Ent.*
A. C. Davis, B. S., *Agt.*
San Jose (branch of Alhambra, Calif., lab.)—
O. W. Lovell, B. S., *Agt.*
Louisiana—Baton Rouge:
C. E. Smith, M. S., *Assoc. Ent., in charge.*
Norman Allen, M. S., *Jr. Ent.*
Mississippi—Gulfport:
M. M. High, B. S., *Assoc. Ent., in charge.*
North Carolina—Chadbourn:
W. A. Thomas, B. S., *Asst. Ent., in charge.*
W. J. Reid, jr., B. S., *Asst. Ent.*
Pennsylvania—Philadelphia:
D. E. Fink, M. S., Ph. D., *Ent., in charge.*
Washington—Puyallup:
S. E. Crumb, A. B., *Ent., in charge.*
C. W. Getzendaner, B. S., *Jr. Ent.*

Sugar-Beet Insects.
FIELD LABORATORIES.
California:
Berkeley (branch of Twin Falls, Idaho, lab.)—
Olive Swezy, M. S., Ph. D., *Agt.*
A. J. Salle, M. S., Ph. D., *Agt.*
Davis (branch of Twin Falls, Idaho, lab.)—
W. C. Cook, M. S., Ph. D., *Ent.*
F. R. Lawson, A. B., *Jr. Ent.*
Riverside (branch of Twin Falls, Idaho, lab.)—
H. E. Wallace, M. S., *Assoc. Ent.*
G. T. York, B. S., *Jr. Ent.*
Colorado—Grand Junction (branch of Twin Falls, Idaho, lab.):
W. A. Shands, M. S., *Asst. Ent.*

Sugar-Beet Insects—Continued.
FIELD LABORATORIES—Continued.
Idaho—Twin Falls:
P. N. Annand, M. A., Ph. D., *Ent., in charge.*
J. C. Chamberlin, M. A., Ph. D., *Assoc. Ent.*
C. F. Henderson, M. S., *Asst. Ent.*
R. A. Fulton, M. S., Ph. D., *Agt.*
F. B. Hinnenkamp, B. A., *Jr. Ent.*
H. A. Waters, B. S., *Jr. Ent.*
New Mexico—State College (branch of Twin Falls, Idaho, lab.):
V. E. Romney, M. S., *Jr. Ent.*
Oregon—Hermiston (branch of Twin Falls, Idaho, lab.):
O. A. Hills, M. S., *Jr. Ent.*
Utah:
Richfield (branch of Twin Falls, Idaho, lab.)—
E. W. Davis, M. S., *Asst. Ent.*
D. E. Fox, M. S., *Jr. Ent.*

Soil Insects.
FIELD LABORATORIES.
California—Alhambra:
R. E. Campbell, M. S., *Ent., in charge.*
M. W. Stone, B. S., *Jr. Ent.*
Idaho—Parma (branch of Walla Walla, Wash., lab.):
F. H. Shirck, M. S., *Asst. Ent.*
H. P. Lanchester, B. S., *Jr. Ent.*
South Carolina—Fairfax:
J. N. Tenhet, B. S., *Asst. Ent.*
P. K. Harrison, M. S., *Asst. Ent.*
Washington:
Toppenish (branch of Walla Walla, Wash., lab.)—
K. E. Gibson, B. S., *Jr. Ent.*
Walla Walla—
M. C. Lane, B. S., *Assoc. Ent., in charge.*

Sweet-Potato Weevil Control.
FIELD LABORATORIES.
Alabama—Grand Bay (branch of Biloxi, Miss., lab.):
S. C. Brummitt, *Sr. Sci. Aid.*
Florida:
Sanford—
C. F. Stahl, B. S., *Ent., in charge.*
C. O. Bare, M. A., *Asst. Ent.*
C. B. Wisecup, M. S., *Asst. Ent.*
E. C. Tatman, *Asst. Sci. Aid.*
Mississippi:
Bay St. Louis (branch of Biloxi lab.)—
F. A. Wright, B. A., *Jr. Ent.*
Biloxi—
K. L. Cockerham, M. S., *Assoc. Ent., in charge.*
O. T. Deen, B. S., *Jr. Ent.*
Picayune (branch of Biloxi lab.)—
W. B. Hollingsworth, B. S., *Jr. Ent.*
M. Brunson, B. S., *Jr. Ent.*

Pea Insects.
FIELD LABORATORY.
Wisconsin—Madison:
J. E. Dudley, jr., M. S., *Ent., in charge.*
T. E. Bronson, B. S., *Jr. Ent.*

Berry Insects.
FIELD LABORATORIES.
North Carolina—Chadbourn:
L. B. Reed, B. S., *Jr. Ent.*
Virginia—Rosslyn (Arlington Experimental Farm):
C. H. Popenoe, B. S., *Assoc. Ent., in charge.*

Tobacco Insects.
FIELD LABORATORIES.
Arizona—Tempe (branch of Clarksville, Tenn., lab):
K. B. McKinney, B. S., *Asst. Ent.*
Florida—Quincy (branch of Clarksville, Tenn., lab.):
F. S. Chamberlin, B. S., *Asst. Ent.*
Tennessee—Clarksville:
A. C. Morgan, B. S., *Ent., in charge.*
J. U. Gilmore, B. S., *Asst. Ent.*
Joe Milam, *Prin. Sci. Aid.*

Bean Insects.
FIELD LABORATORIES.
California—Alhambra:
Rodney Cecil, M. S., Ph. D., *Assoc. Ent.*
Mexico—San Jacinto, D. F. (branch of Columbus, Ohio, lab.):
B. J. Landis, M. S., *Asst. Ent.*
New Mexico—Estancia (branch of Columbus, Ohio, lab.):
J. R. Douglas, M. S., *Assoc. Ent., in charge.*
Ohio—Columbus:
N. F. Howard, M. S., Ph. D., *Sr. Ent., in charge.*
Virginia—Norfolk (branch of Columbus, Ohio, lab.):
L. W. Brannon, B. S., *Asst. Ent.*

Mushroom Insects.
FIELD LABORATORY.
Virginia—Rosslyn (Arlington Exp. Farm):
O. E. Gahm, M. S., *Asst. Ent.*

BEE CULTURE

J. I. Hambleton, B. S., *Sr. Apicult., in charge.*

Behavior of Bees.
W. J. Nolan, A. M., *Apicult.*

Bee Diseases.
C. E. Burnside, M. S., Ph. D., *Asst. Apicult.*

Beekeeping Regions.
E. L. Sechrist, B. A., *Assoc. Apicult.*

Intermountain Bee Culture.
FIELD LABORATORY.
Wyoming—Laramie:
A. P. Sturtevant, A. B., Ph. D., *Assoc. Apicult., in charge.*
J. E. Eckert, M. S., *Assoc. Apicult.*

Southern States Bee Culture.
FIELD LABORATORY.
Louisiana—Baton Rouge:
Warren Whitcomb, jr., M. S., Ph. D., *Asst. Apicult., in charge.*
Everett Oertel, B. S., Ph. D., *Asst. Apicult.*

STORED-PRODUCT INSECTS

(Including household insects)

E. A. Back, B. S., Ph. D., *Prin. Ent., in charge*
R. T. Cotton, M. S., Ph. D., *Sr. Ent.*
H. B. Bradford, *Chief Sci. Illustr.*
Marion T. Van Horn, *Jr. Sci. Aid.*

Grain Insects.
FIELD LABORATORIES.
Georgia—Thomasville:
S. E. McClendon, B. S., *Asst. Ent.*
Maryland—Silver Spring:
G. W. Ellington, B. S., *Asst. Ent.*

Flour-Mill Insects.
FIELD LABORATORIES.
Kansas—Manhattan:
Geo. B. Wagner, M. S., *Agt.*
Maryland—Silver Spring:
Newell E. Good, A. B., M. S., *Jr. Ent.*

Bean Weevils.
FIELD LABORATORY.
California—Modesto:
C. K. Fisher, B. S., *Asst. Ent.*

Pea Weevils.
FIELD LABORATORY.
Oregon—Corvallis:
A. O. Larson, M. S., *Ent.*

Dried-Fruit Insects.
FIELD LABORATORY.
California—Fresno:
Perez Simmons, B. S., *Ent., in charge.*
Dwight F. Barnes, *Asst. Ent.*
A. W. Morrill, jr., M. S., *Jr. Ent.*

Tobacco Insects.
FIELD LABORATORY.
Virginia—Danville:
W. D. Reed, B. S., *Assoc. Ent.*
Erskine B. Livingstone, B. S., *Jr. Ent.*

Household Insects:
FIELD LABORATORY.
Maryland—Silver Spring:
Wallace Colman, A. B., M. S., *Assoc. Ent.*

TROPICAL, SUBTROPICAL, AND ORNAMENTAL PLANT INSECTS

A. C. Baker, B. S. A., Ph. D., *Prin. Ent., in charge.*
C. A. Weigel, M. S., Ph. D., *Sr. Ent.*
Eva B. Fitzgerald,* B. A., *Sr. Sci. Aid.*
Eleanor D. Booth, B. A., *Sr. Sci. Aid.*

Citrus Insects.
FIELD LABORATORIES.
California:
Lindsay (branch of Whitter, Calif., lab.) (citrus thrips.)—E. A. McGregor, A. M., *Assoc. Ent., in charge.*
Whittier (regional lab.)—
C. I. Bliss, M. S., Ph. D., *Ent., in charge technical work.*
F. R. Cole, A. M., Ph. D., *Assoc. Ent., in charge Admin. affairs.*
Cuba—Santiago de las Vegas (parasites of citrus black fly):
P. A. Berry, B. S., *Jr. Ent., in charge.*
J. M. McGough, M. S., *Jr. Ent.*

Citrus Insects—Continued.
FIELD LABORATORIES—Continued.
Federated Malay States—Kuala Lumpur (parasites of citrus black fly):
C. P. Clausen, M. S., *Sr. Ent., in charge.*
Florida—Orlando:
W. W. Yothers, B. S., A. B., *Ent., in charge.*

Mediterranean Fruit Fly.
(*Note.*—In cooperation with, and from funds allotted from, the Plant Quarantine and Control Administration.)
A. C. Baker, B. S. A., Ph. D., *Prin. Ent., in charge.*
FIELD LABORATORIES.
Florida—Orlando:
W. W. Yothers,[1] B. S., A. B., *Ent., in charge.*
Ralph L. Miller, M. S., Ph. D., *Assoc. Ent.*
Maurice Mulvania, M. S., Ph. D., *Agt.*
Ione P. Bassett,* B. S., *Sr. Sci. Aid.*
C. H. Mooney, B. S., *Agt.*
E. G. Hume, *Agt.*
S. B. Hill, *Agt.*
Fred T. Tilden, *Agt.*
Hawaii—Honolulu:
O. C. McBride, B. S., M. A., *Ent., in charge.*
A. C. Mason,† M. S., *Assoc. Ent.*
Miyauooto McPhail, B. S., *Asst. Ent.*
C. B. Keck, M. S., *Jr. Ent.*
W. H. Mitchell, jr., *Agt.*
R. H. Marlowe, B. S., *Sr. Sci. Aid.*

Tropical Insects, Including Fruit Flies.
FIELD LABORATORIES.
Canal Zone—Balboa:
James Zetek, A. B., *Assoc. Ent., in charge.*
Mexico:
Cuernavaca (branch of Mexico City lab.)—
———
Mexico City, D. F. (Mexican fruit worm)—
W. E. Stone, B. S., *Assoc. Ent., in charge.*
H. H. Darby, B. Sc., M. A., Ph. D., *Ent.*
E. M. Darby,* B. A., M. S., *Asst. Ent.*
E. W. Emmart, Ph. D., *Asst. Ent.*

Insects Affecting Ornamentals.
Bulb Insects.
FIELD LABORATORIES.
California—Whittier:
F. R. Cole, A. M., Ph. D., *Assoc. Ent., in charge.*
New York—Babylon:
F. J. Spruijt, M. S., *Asst. Ent., in charge.*
Washington—Sumner:
C. F. Doucette, B. S., *Assoc. Ent., in charge.*
R. Latta, M. S., *Asst. Ent.*

Greenhouse Insects.
C. A. Weigel, M. S., Ph. D., *Sr. Ent., in charge.*
FIELD LABORATORY.
California—Whittier:
Bessie M. Broadbent, B. S., *Asst. Ent.*
C. H. Martin, M. S., *Asst. Ent.*

Miscellaneous Ornamentals (Camphor Scale).
FIELD LABORATORY.
Louisiana—New Orleans:
A. W. Cressman, B. S., *Assoc. Ent., in charge.*
Mary L. Tillotson, B. S., *Sr. Sci. Aid.*

[1] Paid from Bureau of Entomology funds.

Insects Affecting Ornamentals—Continued.
Parlatoria Date Scale.
FIELD LABORATORIES.
California—Indio and Whittier:
F. S. Stickney, M. S., Ph. D., *Assoc. Ent., in charge.*

TAXONOMY AND INTERRELATIONS OF INSECTS

C. L. Marlatt, M. S., Sc. D., *Chief of Bureau, acting in charge.*

Taxonomy of Insects.
Harold Morrison, A. M., Sc. D., *Sr. Ent., in charge.*
Irene L. Bartlett, B. S., *Jr. Ent.*
Catherine Ford, B. S., *Jr. Ent.*
Kathleen McClure, B. S., *Jr. Ent.*
Louise M. Russell, M. S., *Jr. Ent.*
W. F. Tastet, *Prin. Sci. Aid.*
Eleanor T. Armstrong, *Sr. Sci. Illustr.*
Marjorie H. Ellis, B. A., *Sr. Sci. Aid.*
Ida Weckerly, A. B., *Sr. Sci. Aid.*
C. S. Menagh, *Sci. Aid.*
Francis H. Noyes, *Asst. Sci. Illustr.*
Mildred E. Shields*, *Asst. Sci. Aid.*
Edna E. Sellens, *Jr. Sci. Aid.*
Janet W. Armstrong, *Under Sci. Helper.*
Fern R. Bell, A. B., *Under Sci. Helper.*
Nettie E. Crocker,* *Under Sci. Helper.*
Marjorie Ross Jones, A. B., *Under Sci. Helper.*
Catherine V. Locke,* *Under Sci. Helper.*
Nellie D. McConnell,* *Under Sci. Helper.*
Eunice Myers, *Under Sci. Helper.*
Helen A. Schuoler, B. S., *Under Sci. Helper.*
(1) Coleoptera.
A. G. Böving, B. Ph., M. S., Ph. D., *Sr. Ent.*
M. W. Blackman, Ph. D., *Sr. Ent.*
E. A. Chapin, Ph. B., M. S., Ph. D., *Assoc. Ent.*
H. S. Barber, *Assoc. Ent.*
W. S. Fisher, *Assoc. Ent.*
L. L. Buchanan, B. A., *Assoc. Ent.*
(2) Lepidoptera.
Wm. Schaus, M. A., D. Sc., *Assoc. Ent.*
Carl Heinrich, *Assoc. Ent.*
August Busck, *Assoc. Ent.*
(3) Diptera.
C. T. Greene, *Assoc. Ent.*
(4) Hymenoptera.
A. B. Gahan, M. S., *Sr. Ent.*
R. A. Cushman, *Assoc. Ent.*
Grace A. Sandhouse, A. M., *Asst. Ent.*
(5) Orthoptera and Neuroptera.
A. N. Caudell, M. S., *Assoc. Ent.*
(6) Ectoparasites and Mites.
H. E. Ewing, M. A., Ph. D., *Assoc. Ent.*
(7) Coccidae.
Harold Morrison, A. M., Sc. D., *Sr. Ent.*
Grace E. Glance, B. S., *Jr. Ent.*

Bioclimatics.
West Virginia—Mineral Wells (hdqts.):
A. D. Hopkins, Ph. D., *Prin. Ent., in charge.*
M. A. Murray, *Sr. Sci. Aid.*

Insect Pathology and Morphology.
G. F. White, B. S., Ph. D., M. D., *Sr. Path., in charge of insect pathology.*
R. E. Snodgrass, A. B., *Sr. Ent., in charge of insect morphology.*

Exchange of Useful Insects. History of Economic Entomology.
L. O. Howard, M. S., Ph. D., M. D., LL. D., Sc. D., *Prin. Ent., in charge.*

Insect Pest Survey.
J. A. Hyslop, M. S., *Sr. Ent., in charge.*
F. M. Wadley, M. S., Ph. D., *Assoc. Ent.*

INSECTS AFFECTING MAN AND ANIMALS

F. C. Bishopp, M. S., *Prin. Ent., in charge.*
J. L. Webb, M. S., *Assoc. Ent.*

Insects Affecting Animals.
FIELD LABORATORIES.
Alaska—Nome:
E. C. Cushing, M. S., *Asst. Ent.*
Illinois—Galesburg:
R. W. Wells, B. A., M. S., *Assoc. Ent.*
Maryland—Beltsville:
H. S. Peters, M. S., *Asst. Ent.*

Insects Affecting Animals—Continued.
FIELD LABORATORIES—Continued.
North Dakota—Fargo:
W. G. Bruce, M. S., *Asst. Ent.*
Texas:
Dallas—
E. W. Laake, B. S., *Assoc. Ent.*
Menard (branch of Dallas, Tex., lab.)—
H. E. Parish, *Agt.*
Sonora—
O. G. Babcock, B. S., *Asst. Ent.*
Uvalde—
D. C. Parman, B. S., *Assoc. Ent.*
R. A. Roberts, M. S., *Asst. Ent.*

Insects Affecting Man.
FIELD LABORATORIES.
California—Coachella:
D. G. Hall, M. S., *Asst. Ent.*
R. W. Burgess, *Agt.*
Louisiana—Mound:
W. V. King, B. S., Ph. D., *Sr. Ent., in charge.*
G. H. Bradley, M. S., *Assoc. Ent.*
T. E. McNeel, B. S., *Jr. Ent.*
South Carolina—Charleston:
W. E. Dove, B. S., D. Sc., *Ent.*

FOOD AND DRUG ADMINISTRATION

W. G. Campbell, A. B., LL. B., *Dir. of Regulatory Work, in charge.*
P. B. Dunbar, B. S., M. S., Ph. D., *Asst. Chief.*
F. B. Linton, *Asst. to Chief.*
S. A. Barber, B. S., *Inf. Spec.*
L. M. Clarke, *Chief Clerk.*
Mary T. Read,* *Ed.*

OFFICE OF INTERSTATE SUPERVISION

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Martin Boyle, B. S., LL. B., *Chem.*
J. G. Shibley, LL. B., *Sr. Admin. Asst.*
G. P. Larrick, *Admin. Asst.*

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OFFICE OF COOPERATION

W. S. Frisbie, Ph. B., *Prin. Chem., in charge.*

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W. B. White, A. B., Ph. D., *Prin. Chem., in charge.*
B. G. Hartmann, Ph. D., *Sr. Chem.*
Fred Hillig, B. S., *Assoc. Chem.*

Central Unit.
H. A. Lepper, B. S., *Chem.*
V. B. Bonney, B. S., *Assoc. Chem.*
S. C. Rowe, Ch. E., *Assoc. Chem.*
P. A. Clifford, A. B., M. A., *Asst. Chem.*
J. T. Keister, B. S., M. S., Phar. D., *Asst. Chem.*
J. I. Palmore, B. S., M. S., *Asst. Chem.*
Gordon, Smith, B. S., *Jr. Chem.*

Cattle-Feed Unit.
G. L. Bidwell, B. S., *Chem.*
V. E. Munsey, B. S., *Asst. Chem.*

Water and Beverage Unit.
J. W. Sale, A. B., A. M., *Sr. Chem.*
J. B. Wilson, A. B., *Assoc. Chem.*
C. H. Badger, B. S., *Asst. Chem.*
Anna E. Mix, Phar. D., *Jr. Chem.*
W. O. Winkler, B. S., *Jr. Chem.*

Bacteriological Unit.
A. C. Hunter, B. S., M. S., Ph. D., *Sr. Bact.*
B. A. Linden, *Asst. Bact.*
Roy Schneiter, B. S., M. S., *Jr. Bact.*
L. W. Strasburger, B. S., *Jr. Bact.*

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H. T. Herrick, A. B., Ch. E., *Prin. Chem., in charge.*
O. L. Evenson, B. S., A. M., *Assoc. Chem.*
S. S. Forrest, B. S., *Jr. Chem.*
R. H. Nagel, A. B., *Jr. Chem.*

DRUG CONTROL

J. J. Durrett, B. S., M. S., Phar. G., M. D., *Chief, Drug Control, in charge.*

Chemical Unit.
A. G. Murray, A. B., *Sr. Chem.*
L. E. Warren, Ph. C., B. S., *Sr. Chem.*
H. Wales, A. B., M. A., Ph. D., *Chem.*
H. R. Watkins, A. B., M. S., *Chem.*

Medical Unit.
P. McC. Lowell, A. B., M. D., D. P. H., D. T. M., *Sr. Med. Off.*
G. E. Clarke, B. S., M. D., *Med. Off.*
F. J. Cullen, Ph. G., M. D., *Med. Off.*
C. E. Holton, M. D., *Assoc. Med. Off.*
W. F. Galatzo, M. D., *Asst. Med. Off.*

Veterinary Unit.
H. E. Moskey, V. M. D., *Vet.*
Geo. Smith Jr., D. V. M., *Assoc. Vet.*

Pharmacology Unit.
W. T. McClosky, A. B., *Pharmacol.*
N. G. Barbella, A. B., M. S., *Jr. Pharmacol.*

Special Collaborative Investigations Unit.
W. O. Emery, B. S., Ph. D., *Sr. Chem.*
F. W. Norris, A. B., M. D., *Med. Off.*
V. K. Chestnut, B. S., *Assoc. Chem.*
C. D. Wright, A. B., A. M., Ph. D., *Assoc. Chem.*

MICROANALYTICAL LABORATORY

B. J. Howard, B. S., *Prin. Micros., in charge.*
G. L. Keenan, B. S., A. M., *Microan.*
J. D. Wildman, A. B., A. M., *Asst. Microan.*

INSECTICIDE CONTROL

C. C. McDonnell, B. S., Sc. D., *Prin. Chem., in charge.*

Chemical and Bacteriological Unit.
W. D. Lynch, B. S., LL. B., *Sr. Chem.*
J. J. T. Graham, B. S., M. S., *Sr. Chem.*
E. L. Griffin, A. B., B. S., M. S., Ph. D., *Sr. Chem.*
G. L. A. Ruehle, B. S., M. S., *Sr. Bact.*
H. H. Custis, A. B., A. M., Ph. D., *Chem.*
C. M. Brewer, B. S., M. S., *Assoc. Bact.*
W. J. Morgan, B. S., M. S., *Assoc. Chem.*
A. C. Nothstine, B. S., *Assoc. Chem.*
C. G. Donovan, B. S., *Asst. Chem.*
F. A. Spurr, B. S., M. S., *Asst. Chem.*
Richard Edge, B. S., M. A., *Jr. Chem.*
Jack Henry, B. S., *Jr. Chem.*

Plant Pathological Unit.
E. Wallace, B. S. A., M. S. A., Ph. D., *Sr. Path.*
F. P. Schlatter, B. S., *Assoc. Path.*
Field Headquarters.
New Jersey—Haddon Heights:
D. P. Perry, B. S., *Assoc. Path.*
Oregon—Corvallis:
F. D. Bailey, A. B., A. M., *Assoc. Path.*

Animal Pathological Unit.
G. C. Roe, A. B., M. S., *Assoc. Zool.*

Entomological Unit.
FIELD HEADQUARTERS.
Maryland—Silver Spring:
W. S. Abbott, B. S., *Sr. Ent.*
W. M. Davidson, B. S., *Assoc. Ent.*
G. D. Reynolds, B. S., *Jr. Ent.*
New Jersey—Haddon Heights:
L. J. Bottimer, B. S., *Asst. Ent.*

NAVAL STORES CONTROL

F. P. Veitch, B. S., M. S., Sc. D., *Prin. Chem. in charge.*
V. E. Grotlisch, Ch. E., *Assoc. Naval Stores Classifier.*
FIELD HEADQUARTERS.
Alabama—Mobile:
S. W. Pickens, *Asst. Naval Stores Classifier.*
Georgia—Savannah:
H. M. King, *Assoc. Naval Stores Classifier.*
Georgia—Waycross:
F. W. Thomas, *Asst. Naval Stores Classifier.*
Louisiana—De Ridder:
G. A. Berry, *Asst. Naval Stores Classifier.*
Mississippi—Gulfport:
R. L. Helveston, *Asst. Naval Stores Classifier.*
New York—New York:
C. E. Smith, *Assoc. Naval Stores Classifier.*

FIELD INSPECTION SERVICE

Eastern District (Hdqrs., New York, N. Y.).
W. R. M. Wharton, A. B., A. M., *Chief of Dist.*
C. O. Dodge, B. S., Sr. Chem., *Asst. Chief.*
A. E. Lowe, *Asst. to Chief.*
C. A. Herrmann, A. B., *Chem.*
STATIONS.
Georgia—Savannah:
J. J. McManus, Phar. G., Phar. D., *Chief of Sta.*
Dan Dahle, Ch. E., *Asst. Chem.*
H. I. Macomber, B. S., *Asst. Chem.*
W. H. Simms, B. S., *Sr. Insp.*
L. A. Smith, Phar. D., *Chief Insp.*
F. B. McAuliffe, *Insp.*
Maryland—Baltimore:
D. M. Walsh, B. S., A. M., *Chief of Sta.*
T. F. Pappe, A. B., *Chem.*
F. L. Elliott, B. S., *Assoc. Chem.*
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E. L. Palmer, *Sr. Insp.*
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P. S. Billington, A. B., *Jr. Chem.*
M. W. Bray, M. S., *Chem.*
G. H. Chidester, B. S., *Assoc. Engr.*
R. H. Doughty, M. S., *Asst. Engr.*
M. Heinig, M. A., *Jr. Chem.*
C. C. Heritage, B. S., *Prin. Engr., consultant.*
C. E. Hrubesky, M. S., *Asst. Chem.*
E. L. Keller, B. S., *Jr. Chem.*
J. S. Martin, B. S., *Asst. Engr.*
E. R. Schafer, B. S., *Assoc. Engr.*
F. A. Simmonds, B. S., *Assoc. Chem.*
Timber Mechanics:
J. A. Newlin, B. S., *Prin. Engr., in charge.*
L. J. Markwardt, C. E., *Sr. Engr., assistant.*
T. A. Carlson, M. S., *Assoc. Engr.*
J. M. Gahagan, *Asst. Engr.*
G. E. Heck, M. S., *Engr.*
R. F. Luxford, C. E., *Assoc. Engr.*
H. W. March, Ph. D., *Con. Spec. Math.*
C. A. Plaskett, C. E., *Sr. Engr.*
R. J. Roark, M. S., *Sr. Engr., consultant.*
J. A. Scholten, B. S., *Jr. Agric. Engr.*
G. W. Trayer, C. E., *Sr. Engr.*
T. R. C. Wilson, C. E., *Sr. Engr.*
Timber Physics:
Rolf Thelen, B. S., *Prin. Engr., in charge.*
J. S. Mathewson, M. E., *Sr. Engr., assistant.*
M. E. Dunlap, B. S., *Sr. Engr.*
W. K. Loughborough, *Engr.*
E. C. Peck, M. F., *Assoc. Wood Technol.*
R. C. Rietz, B. A., *Asst. Engr.*
L. V. Teesdale, *Sr. Engr.*
O. W. Torgeson, B. S., *Assoc. Engr.*
Silvicultural Relations:
Arthur Koehler, M. S., *Sr. Xylotomist, in charge.*
Eloise Gerry, Ph. D., *Sr. Microscopist.*
B. H. Paul, M. F., *Silv.*
R. O. Marts, M. S., *Asst. Phys. Plant Anatomist.*
M. Y. Pillow, B. S., *Asst. Wood Technologist.*
Gertrude Griffin, *Jr. Xylotomist.*
Wood Preservation:
George M. Hunt, B. S., *Prin. Chemist, in charge.*
T. R. Truax, M. S., *Sr. Wood Technologist, assistant.*
Don Brouse, M. S., *Asst. Engr.*
F. L. Browne, Ph. D., *Sr. Chemist.*
L. E. Downs, B. S., *Asst. Engr.*
C. A. Harrison, *Jr. Engr.*
J. D. MacLean, Ph. D., *Sr. Engr.*
R. M. Wirka, B. S., *Assoc. Engr.*

Industrial Investigations:
C. V. Sweet, M. F., *Prin. Engr., in charge.*
R. D. Garver, B. S., *Sr. For., assistant.*
A. O. Benson, B. S., *Wood Technol.*
J. B. Cuno, M. F., *Assoc. Wood Technol.*
E. M. Davis, M. F., *Wood Technol.*
R. P. A. Johnson, M. S., *Eng.*
Raymond Miller, B. S., *Assoc. Engr.*
G. C. Morbeck, M. F., *Assoc. Wood Technol.*
C. J. Telford, M. F., *Exten. For.*
Pathology (in coop. with Bur. of Pl. Ind.):
C. Audrey Richards, A. M., Ph. D., *Asst. Path., in charge.*
Caroline T. Rumbold, A. M., Ph. D., *Asst. Path.*
Laboratory Operation:
A. L. Heim, B. S., *Sr. Engr., in charge.*
C. P. Juckem, *Sr. Admin. Asst., assistant.*
J. A. White, *Photographer.*
Ellen A. Hoffman, *Chief Libr. Asst.*
B. L. Nelson, B. A., *Assoc. Engr.*
Finance and Accounts:
W. E. Thompson, A. B., *Fiscal Agt., in charge.*
S. H. Busch, LL. B., *Dep. Fiscal Agt.*

BRANCH OF ENGINEERING

T. W. Norcross, B. S. (C. E.), *Chief Engr., in charge.*
G. H. Lautz, B. S. (C. E.), *Asst. Chief. Engr.*
Jack B. Haile, B. S. (C. E.), *Asst. Engr.*

Maps and Surveys.
G. H. Lautz, B. S. (C. E.), *Asst. Chief Engr., in charge.*
Helen B. Smith, *in charge of Wash. off. (and map reproductions).*
J. M. Witherow, *Chief Draftsman.*
E. S. Shipp, *Chief Photographer.*
G. B. Bruce, *in charge of Atlas records.*

Roads.
G. H. Lautz, B. S. (C. E.), *Asst. Chief Engr.*
Jack B. Haile, B. S. (C. E.), *Asst. Engr.*

Water Power.
T. W. Norcross, B. S. (C. E.), *Chief Engr.*

BRANCH OF PUBLIC RELATIONS

Fred Morrell, B. S., M. F., *Asst. For., in charge.*

Special Assignments.
Herbert A. Smith, B. A., Ph. D., *Asst. For.*

Cooperation with Timberland Owners.
Austin Cary, M. A., Sc. D., *Log. Engr.*

Division of State Cooperation.
A. B. Hastings, A. B., M. F., *For. Insp., in charge.*
Catherine M. O'Donnell, LL. B., *Law Compiler.*
C. R. Tillotson, B. S., *Dist. For. Insp.*
G. T. Backus, F. E., *Dist. For. Insp.*
H. B. Eberly, B. S., *Dist. For. Insp.*
S. H. Marsh, A. B., M. F., *Dist. For. Insp.*
E. M. Brunner, M. A., M. F., *Dist. For. Insp.*
H. N. Wheeler, M. A., *Lecturer.*

Farm Forestry.
W. R. Mattoon, A. B., M. F., *Ext. For.*

Division of Information.
George A. Duthie, B. A., M. S. F., *For. Insp., in charge.*
C. E. Randall, A. B., M. A., *Ed. in charge of Educational Cooperation.*

Division of Information—Continued.
Jean Kerr, M. A., *Ed., For. Worker.*
C. M. Ballard, *Chief of Pubs.*
H. R. Kylie, *in charge of Visual Education.*

REGION 1—Northern Region

Montana, northeastern Washington, northern Idaho, and northwestern South Dakota (hdqrs., Missoula, Mont.).
Evan W. Kelley, *Reg. For.*

Public Relations.
Theodore Shoemaker, *Asst. Reg. For.*
K. D. Swan, B. S., M. F., *Asst. Reg. For. Insp.*

Finance and Accounts.
O. M. Wold, *Reg. Fiscal Agt.*
L. Beaman, *Dep. Reg. Fiscal Agt.*

Operation.
L. C. Stockdale, *Asst. Reg. For.*
G. I. Porter, *Admin. Asst.*
(1) Fire Protection.
Howard R. Flint, *Insp.*
John McLaren, *Insp.*
(2) Improvements.
C. P. Fickes, *Insp.*
(3) Law Enforcement.
P. J. O'Brien, LL. B., *Insp.*
Wilfred W. White, M. S., M. S. F., *Insp.*
(4) State Cooperative Fire Protection under Clarke-McNary Act.
C. K. McHarg, Ph. B., M. F., *Insp.*
(5) Maintenance.
O. C. Bradeen, *Purchasing Agt. in charge.*

Forest Management.
Elers Koch, B. S., M. F., *Asst. Reg. For.*
(1) Logging Engineering.
Phillip Neff, *Dist. Log. Engr.*
Clyde S. Webb, *Log. Engr.*
(2) Timber Surveys.
R. J. Smith, M. S. F., *Chief of Party.*
(3) Planting (Haugan, Mont.).
D. S. Olson, *in charge.*
G. W. Jones, *in charge, Savenac Nursery.*
(4) Forest Insect Investigations (Coeur d'Alene, Idaho).
J. C. Evenden, *Ent.*
(5) Forest Products.
M. Bradner, B. S. F., *in charge.*
I. V. Anderson, B. S. F., *Asst.*
C. N. Whitney, Ph. B., M. F., *Tech. Asst.*

Range Management.
Glen A. Smith, *Asst. Reg. For.*
Thomas Lommasson, *Admin, Asst.*
K. D. Flock, B. S., *Chief of Party.*
Barry Park, B. S., *Chief of Party.*

Lands.
M. H. Wolff, Ph. B., M. F., *Asst. Reg. For.*
(1) Land Exchange and Acquisitions.
H. G. Ade, B. S. F., *Insp.*
F. K. Stewart, *Chief Surv.*
(2) Claims.
C. A. McElroy, *Chief Mineral Exam.*

Engineering.
F. E. Thieme, B. S. (C. E.), *Reg. Engr.*
(1) Maps and Surveys.
J. B. Yule, *Asst. Reg. Engr.*
Frank J. Cool, *Chief Draftsman.*

Engineering—Continued.
(2) Roads.
F. E. Thieme, B. S. (C. E.), *Reg. Engr.*
H. A. Calkins, *Asst. Reg. Engr.*
W. P. Stephenson, *Chief Surv.*
(3) Water Power.
F. E. Thieme, B. S. (C. E.), *Reg. Engr.*
Harold Townsend, *Chief Surv.*
Richard P. Hilleary, *Chief Surv.*

National Forests.
Idaho:
Clearwater (hdqrs., Orofino, Idaho)—
Paul A. Wohlen, *Supvr.*
Paul H. Gerrard, B. S. F., *Asst. Supvr.*
George C. Earle, *Chief Lumberman.*
Coeur d'Alene (hdqrs., Coeur d'Alene Idaho)—
A. J. Roche, *Asst. Supvr.*
S. C. Sanderson, *Asst. Supvr.*
Howard Drake, *Log. Engr.*
Thomas Crossley, *Chief Lumberman.*
H. H. Gurley, B. S. F., *Tech. Asst.*
Albert Yochelson, B. S., *Ranger.*
Nezperce (hdqrs., Grangeville, Idaho)—
R. A. Phillips, *Supvr.*
Guy M. Brandborg, *Asst. Supvr.*
C. D. Blake, *Asst. Supvr.*
Pend Oreille (hdqrs., Sandpoint, Idaho)—
E. T. Wolf, B. S. F., *Supvr.*
L. F. Jefferson, *Asst. Supvr.*
G. M. De Jarnette, B. S. F., *Tech. Asst.*
N. B. Fullerton, B. S., *Ranger.*
Selway (hdqrs., Kooskia, Idaho)—
Kenneth Wolfe, B. S., *Supvr.*
Chas. A. MacGregor, *Asst. Supvr.*
J. C. Urquhart, *Asst. Supvr.*
St. Joe (hdqrs., St. Maries, Idaho)—
Eldon H. Myrick, *Supvr.*
W. P. Hillman, *Asst. Supvr.*
Frank Foltz, B. S. F., *Asst. Supvr.*
George C. Earle, *Chief Lumberman.*
A. R. Standford, *Lumberman.*
Montana:
Absaroka (hdqrs., Livingston, Mont.)—
G. E. Martin, *Supvr.*
Wm. M. Rush, *Asst. Supvr.*
A. Cramer, B. S., *Tech. Asst.*
Beartooth (hdqrs., Billings, Mont.)—
R. Trevor Ferguson, B. S., *Supvr.*
Beaverhead (hdqrs. Dillon, Mont.)—
J. C. Whitam, B. S. F., *Supvr.*
Earl D. Sandvig, B. S., *Asst. Supvr.*
P. R. Paine, B. S. F., *Tech. Asst.*
E. A. Shilling, B. S., *Ranger.*
Bitterroot (hdqrs., Hamilton, Mont.)—
John W. Lowell, *Supvr.*
A. C. Adams, *Asst. Supvr.*
Clarence Spaulding, B. S., *Ranger.*
Blackfeet (hdqrs., Kalispell, Mont.)—
W. M. Nagel, B. S. F., *Supvr.*
Adolph Weholt, *Asst. Supvr.*
J. H. Bosworth, *Chief Lumberman.*
Cabinet (hdqrs., Thompson Falls, Mont.)—
Ray R. Fitting, *Supvr.*
C. W. Bloom, B. S. F., *Tech. Asst.*
Custer (hdqrs., Miles City, Mont.)—
Alva A. Simpson, *Supvr.*
E. W. Hartwell, B. S. F., M. F., *Tech. Asst.*

National Forests—Continued.
Montana—Continued.
Deerlodge (hdqrs., Butte, Mont.)—
John B. Taylor, A. B., M. F., *Supvr.*
J. N. Templer, *Asst. Supvr.*
Flathead (hdqrs., Kalispell, Mont.)—
Lloyd G. Hornby, A. B., M. S. F., *Supvr.*
C. J. Hash, *Asst. Supvr.*
W. I. White, B. S. F., *Asst. Supvr.*
Gallatin (hdqrs., Bozeman, Mont.)—
A. H. Abbott, *Supvr.*
C. B. Swim, *Asst. Supvr.*
Helena (hdqrs., Helena, Mont.)—
Leon C. Hurtt, B. S., *Supvr.*
H. H. Hendron, B. S. F., *Tech. Asst.*
Jefferson (hdqrs., Great Falls, Mont.)—
Wilford B. Willey, B. S. F., M. F., *Supvr.*
A. A. Brown, B. S. F., *Asst. Supvr.*
Kootenai (hdqrs., Libby, Mont.)—
Frank J. Jefferson, *Supvr.*
Justin K. Dwinelle, *Asst. Supvr.*
R. W. Billings, B. S. F., *Tech. Asst.*
R. E. Fields, B. S., *Tech. Asst.*
A. B. Bowman, B. S. F., *Timber Surveys.*
Lewis and Clark (hdqrs., Choteau, Mont.)—
Wm. E. Lockhart, *Supvr.*
Lolo (hdqrs., Missoula, Mont.)—
Chas. D. Simpson, B. S., *Supvr.*
T. E. Rowland, B. S., *Tech. Asst.*
Floyd Otter, B. S., *Ranger.*
Madison (hdqrs., Sheridan Mont.)—
Walter J. Derrick, *Supvr.*
F. T. Carroll, *Asst. Supvr.*
Leroy Meryfield, B. S., *Ranger.*
C. V. Rubottom, B. S., *Ranger.*
H. E. Schwan, B. S., *Jr. Range Exam.*
Missoula (hdqrs., Missoula, Mont.)—
J. F. Brooks, B. S. F., *Supvr.*
John H. Clack, *Asst. Supvr.*
Washington:
Kaniksu (hdqrs., Newport, Wash.)—
J. E. Ryan, *Supvr.*
A. N. Cochrell, *Asst. Supvr.*
K. A. Klehm, *Log. Engr.*
F. M. Cossitt, B. S., *Tech. Asst.*

REGION 2.—Rocky Mountain Region

Colorado, Wyoming, South Dakota, Nebraska, and western Oklahoma (hdqrs., Denver, Colo.)
Allen S. Peck, B. S., Ph. B., *Reg. For.*

Law.
W. J. Ise, LL. B., LL. M., *Reg. Law Off.*

Lands and Public Relations.
John W. Spencer, B. A., M. F., *Asst. Reg. For*
Fred R. Johnson, B S., M. F., *Reg. For. Insp*
T. M. Moorman, LL. B., *Admin. Asst.*

Finance and Accounts.
Joel I. Buckner, *Reg. Fiscal Agt.*
V. W. Campbell, *Dep. Reg. Fiscal Agt.*

Operation.
C. J. Stahl, *Asst. Reg. For.*
Ress Philips, *Reg. For. Insp.*
Riley Cass, jr., *Chief Surv.*
James P. Reddick, *Chief Surv.*
Thomas J. Watkins, *Supt. Road Const.*
M. R. Kennedy, *Purchasing Agt.*

Forest Management.
M. W. Thompson, B. S., M. F., *Asst. Reg. For.*
H. D. Cochran, A. B., B. S. F., *Reg. For. Insp.*
J. A. Donery, *Log Engr.*

Range Management.
John H. Hatton, B. S., *Asst. Reg. For.*
Lynn H. Douglas, B S. A., *Admin. Asst.*

Engineering.
J. L. Brownlee, C. E., Ch. E., M. E., *Reg. Engr.*
F. E. Washburn, *Chief Draftsman.*

National Forests.
Colorado:
Arapaho (hdqrs., Hot Sulphur Springs, Colo.)—
John V. Leighou, B. S. F., *Supvr.*
E. A. Snow, B. S., *Asst. Supvr.*
Cochetopa (hdqrs., Salida, Colo.)—
Charles B. Mack, *Supvr.*
Fred Stell, B. S. F., *Asst. Supvr.*
Colorado (hdqrs., Fort Collins, Colo.)—
Wm. R. Kreutzer, LL. B., *Supvr.*
C. L. Van Giesen, B. S., M. F., *Asst. Supvr.*
Grand Mesa (hdqrs., Grand Junction, Colo.)—
Ray Peck, *Supvr.*
Gunnison (hdqrs., Gunnison, Colo.)—
Theodore Krueger, *Supvr.*
Eric A. Johnson, B. S. F., *Asst Supvr.*
Holy Cross (hdqrs., Glenwood Springs, Colo.)—
Harold L. Borden, B. S. F., *Supvr.*
Wm. B. Fay, *Asst. Supvr.*
Montezuma (hdqrs., Mancos, Colo.)—
A. F. Hoffman, B. S. F., *Supvr.*
W. L. Schipull, B. S. F., *Asst. Supvr.*
Pike (hdqrs., Colorado Springs, Colo.)—
E. S. Keithley, *Supvr.*
H. D. Petheram, *Asst. Supvr.*
Ralph R. Hill, B. S., M. F., *Asst. Supvr.*
W. H. Schrader, *Nurseryman.*
Rio Grande (hdqrs., Monte Vista, Colo.)—
R. E Clark, Ph. B., M. F., *Supvr.*
P. L. Ginter, B. S., *Asst. Supvr.*
Routt (hdqrs., Steamboat Springs, Colo.)—
P. V. Woodhead, *Supvr.*
Ray R. Clarke, *Asst. Supvr.*
San Isabel (hdqrs., Pueblo, Colo.)—
H. Earl French, B. S., M. F., *Supvr.*
Fritz J. Poch, B. S. F., *Asst. Supvr.*
San Juan (hdqrs., Durango, Colo.)—
Andrew Hutton, B. S. F., *Supvr.*
Donald E. Clark, B. S., *Asst. Supvr.*
Uncompahgre (hdqrs., Delta, Colo.)—
J. S. Veeder, *Supvr.*
W. L. Robb, B. S., *Asst. Supvr.*
D. W. Shaw, B. S. F., *Jr. Range Exam.*
White River (hdqrs., Glenwood Springs, Colo.)—
Lewis R. Rist, *Supvr.*
K. L. Janouch, B. S. A., *Asst. Supvr.*
Nebraska:
Nebraska (hdqrs., Halsey, Nebraska)—
A. L. Nelson, B. S. F., *Supvr.*
Wm. B. Apgar, B. S., M. F., *Nurseryman.*
Oklahoma:
Wichita (hdqrs., Cache, Okla.)—
Harry H. French, *Supvr.*

National Forests—Continued.
South Dakota:
Black Hills (hdqrs., Deadwood, S. D.)—
——, *Supvr.*
J. H. Higgins, B. S. F., *Asst. Supvr.*
Harney (hdqrs., Custer, S. D.)—
James F. Conner, *Supvr.*
John H. Sieker, B. S., M. F., *Asst. Supvr.*
Wyoming:
Bighorn (hdqrs., Sheridan, Wyo.)—
Fred B. Agee, *Supvr.*
Victor J. Dayharsh, B. S., *Asst. Supvr.*
Medicine Bow (hdqrs., Laramie, Wyo.)—
Huber C. Hilton, B. S., M. S., *Supvr.*
Fred H. Miller, B. S. F., *Asst. Supvr.*
Edward Wright, *Tech. Asst.*
Shoshone (hdqrs., Cody, Wyo.)—
J. N. Langworthy, *Supvr.*
Washakie (hdqrs., Lander, Wyo.)—
W. J. Pearce, *Supvr.*

REGION 3—Southwestern Region

Arizona and New Mexico (hdqrs., Albuquerque, N. Mex.).
Frank C. W. Pooler, *Reg. For.*

Law.
E. S. French, LL. B., M. P. L., *Reg. Law Off.*

Finance and Accounts.
Albert Morris, *Reg. Fiscal Agt.*
P. H. Harley, *Dep. Fiscal Agt.*

Operation.
H. G. Calkins, B. S., *Asst. Reg. For.*
James F. Mullen, *Reg. For. Insp.*
Stanley F. Wilson, A. B., M. F., *Reg. For. Insp.*
Edward P. Ancona, B. S. F., *Sr. Admin. Asst.* (*maintenance*).

Forest Management.
Quincy Randles, B. S., M. S. F., *Asst. Reg. For.*
D. M. Lang, *Log. Engr.*
W. H. Long, A. M., Ph. D., *Consult. Path.* (*Bur. of Pl. Ind.*).

Range Management.
John Kerr, *Asst. Reg. For.*
David A. Shoemaker, *Range Exam.*

Lands.
M. M. Cheney, LL. B., *Asst. Reg. For.*
H. D. Burrall, B. S. F., *Rec. Engr.*
Willard F. Bond, B. S., M. F., *Land Exam.*

Engineering.
C. A. Long., C. E., *Reg. Engr.*
R. L. Hughes, *Asst. Reg. Engr.* (*roads*).

Public Relations.
John D. Jones, A. B., J. D., *Asst. Reg. For.*

National Forests.
Arizona:
Apache (hdqrs., Springerville, Ariz.)—
K. C. Kartchner, *Supvr.*
R. B. Ewing, *Asst. Supvr.*
Coconino (hdqrs., Flagstaff, Ariz.)—
E. G. Miller, A. B., *Supvr.*
Robt. M. Munro, *Asst. Supvr.*
Fred Merkle, *Log. Engr.*
Arthur B. Young, E. M., *Supt. of Road Const.*
Robt. F. Rhinehart, *Sr. Lumberman.*

National Forests—Continued.
Arizona—Continued.
Coronado (hdqrs., Tucson, Ariz.)—
Frederic Winn, B. S., *Super.*
C. W. McKenzie, *Asst. Supvr.*
Wm. John Anderson, *Asst. Supvr.*
W. G. Koogler, *Asst. Range Exam.*
Crook (hdqrs., Safford, Ariz.)—
Rex. King, A. B., M. S. F., *Supvr.*
C. E. Moore, *Asst. Supvr.*
H. W. Naylor, *Grazing Spec.*
Prescott (hdqrs., Prescott, Ariz.)—
F. L. W. Grubb, *Supvr.*
L. J. Putsch. *Asst. Supvr.*
Sirgreaves (hdqrs., Holbrook, Ariz.)—
Paul H. Roberts, B. S. F., *Supvr.*
Robt. C. Salton, B. S., *Asst. For.*
Kimberlin Carlisle, *Chief Lumberman.*
E. L. Hamilton, B. S., *Jr. For.*
Tonto (hdqrs., Phoenix, Ariz.)—
T. T. Swift, Ph. G., M. E., *Supvr.*
J. H. Sizer, *Asst. Supvr.*
W. E. Wiltbank, *Grazing Spec.*
Tusayan (hdqrs., Williams, Ariz.)—
G. W. Kimball, A. B., M. F., *Supvr.*
William T. Doherty, F. E., *Asst. Supvr.*
New Mexico·
Carson (hdqrs., Taos, N. Mex.)—
C. R. Dwire, *Supvr.*
C. A. Merker, B. S. F., *Asst. Supvr.*
Datil (hdqrs., Magdalena, N. Mex.)—
F. L. Kirby, *Supvr.*
Robt. V. Boyle, *Asst. Supvr.*
Gila (hdqrs., Silver City, N. Mex.)—
James A. Scott, *Supvr.*
L. R. Lessel, B. S. F., *Asst. Supvr.*
Lincoln (hdqrs., Alamogordo, N. Mex.)—
O. F. Arthur, *Supvr.*
Simeon Strickland, *Asst. Supvr.*
R. D. Morris, B. S. F., *Asst. Range Exam.*
Manzano (hdqrs., Albuquerque, N. Mex.)—
John A. Adams, M. E., *Supvr.*
Jacob C. Nave, *Asst. Supvr.*
Santa Fe (hdqrs., Santa Fe, N. Mex.)—
Frank E. Andrews, *Supvr.*
L. F. Cottam, *Asst. Supvr.*
J. C. Roak, B. S. F. *Asst. Supvr.*
C. H. Kissam, B. F., F. E., *Supt. Road Const.*

REGION 4—Intermountain Region

Utah, southern Idaho, western Wyoming, Nevada, and northwestern Arizona (hdqrs., Ogden, Utah).
R. H. Rutledge, *Reg. For.*

Finance and Accounts.
Lee Straton, *Reg. Fiscal Agt.*
A. C. Wycoff, *Dep. Fiscal Agt.*

Operation.
C. N. Woods, *Asst. Reg. For.*
Thomas V. Pearsom, *Admin. Asst.*

State Cooperative Fire Protection under Clarke-McNary Law, Idaho.
C. B. Morse, M. S., *Asst. Reg. For.*

Forest Management.
C. B. Morse, M. S., *Asst. Reg. For.*
E. C. Sanford, B. S., *Asst.*
U. S. Swartz, *Log. Engr.*
S. B. Locke, B. S., *For. Insp.*

Range Management.
Ernest Winkler, *Asst. Reg. For.*
J. O. Stewart, Insp. of Grazing.
A. R. Standing, *Assoc. Range Exam.*

Lands.
R. E. Gery, *Asst. Reg. For.*

Engineering.
J. P. Martin, C. E., *Reg. Engr.*
W. W. Blakeslee, *Asst.*
H. M. Shank, *Assoc. Civil Engr.* (*maps and surveys*).
J. P. Martin, C. E., *Reg. Engr.* (*roads*).
J. P. Martin, C. E., *Reg. Engr.* (*water power*).

Public Relations.
Dana Parkinson, A. B., M. F., *Asst. Reg. For.*

National Forests.
Arizona:
Kaibab (hdqrs., Kanab, Utah)—
Walter G. Mann, *Supvr.*
Idaho:
Boise (hdqrs., Boise, Idaho)—
Guy B. Mains, *Supvr.*
Arthur Potter, *Asst. Supvr.*
J. W. Stokes, B. S., M. E., *Tech. Asst.*
H. C. Hoffman, B. S., M. S., *Tech. Asst.*
Wallace M. Saling, B. S., *Jr. Range Exam.*
Caribou (hdqrs., Montpelier, Idaho)—
F. S. Moore, *Supvr.*
Challis (hdqrs., Challis, Idaho)—
E. A. Renner, *Supvr.*
E. E. McKee, *Asst. Supvr.*
Idaho (hdqrs., McCall, Idaho)—
S. C. Scribner, *Supvr.*
Ira Latham, *Asst. Supvr.*
J. W. Farrell, B. S., *Asst. Supvr.*
Lemhi (hdqrs., Mackay, Idaho)—
Oscar Mink, *Supvr.*
Minidoka (hdqrs., Burley, Idaho)—
S. S. Stewart, A. B., M. S., *Supvr.*
Payette (hdqrs., Emmett, Idaho)—
W. B. Rice, B. A., M. F., *Supvr.*
Francis Wallis, *Asst. Supvr.*
Clark Miles, *Tech. Asst.*
Robert Davis, B. S., *Tech. Asst.*
Clayton W. Scribner, B. S., *Tech. Asst.*
Salmon (hdqrs., Salmon, Idaho)—
John N. Kinney, *Supvr.*
D. E. Romano, *Asst. Supvr.*
Sawtooth (hdqrs., Hailey, Idaho)—
M. S. Benedict, *Supvr.*
Targhee (hdqrs., St. Anthony, Idaho)—
S. W. Stoddard, *Supvr.*
David A. Arrivee, B. S., *Asst. Supvr.*
Wilford L. Keene, B. S., *Tech. Asst.*
Alford P. Balch, B. S., *Tech. Asst.*
Weiser (hdqrs., Weiser, Idaho)—
John Raphael, *Supvr.*
Felix C. Koziol, B. S., *Asst. Supvr.*
Nevada:
Humboldt (hdqrs., Elko, Nev.)—
Alexander McQueen, *Supvr.*
Wilford E. Tangren, *Asst. Supvr.*
Harold H. Price, B. S., *Jr. Range Exam.*
Nevada (hdqrs., Ely, Nev.)—
Chas. A. Beam, *Supvr.*
Toiyabe (hdqrs., Austin, Nev.)—
J. E. Gurr, *Supvr.*

National Forests—Continued.
Utah:
Ashley (hdqrs., Vernal, Utah)—
A. G. Nord, *Supvr.*
Cache (hdqrs., Logan, Utah)—
Carl B. Arentson, *Supvr.*
Dixie (hdqrs., Cedar City, Utah)—
Orange A. Olsen, *Supvr.*
Fishlake (hdqrs., Richfield, Utah)—
C. A. Mattsson, *Supvr.*
Chester J. Olsen, *Asst. Supvr.*
Percy B. Rowe, M. F., *Tech. Asst.*
La Sal (hdqrs., Moab, Utah)—
A. C. Folster, *Supvr.*
Manti (hdqrs., Ephraim, Utah)—
J. W. Humphrey, *Supvr.*
Powell (hdqrs., Panguitch, Utah)—
Wallace M. Riddle, *Supvr.*
Selar S. Hutchings, B. S., *Jr. Range Exam.*
Liter E. Spence, B. S., *Jr. Range Exam.*
Charles A. Connaughton, B. S., *Jr. For.*
Uinta (hdqrs., Provo, Utah)—
Chas. DeMoisy, jr., *Supvr.*
Geo. C. Larson, *Asst. Supvr.*
Wasatch (hdqrs., Salt Lake City, Utah)—
E. C. Shepard, B. S., *Supvr.*
Blaine Betenson, *Asst. Supvr.*
Carl A. Gustafson, *Jr. For.*
Wyoming:
Teton (hdqrs., Jackson, Wyo.)—
A. C. McCain, *Supvr.*
Wyoming (hdqrs., Kemmerer, Wyo.)—
C. E. Favre, M. S., *Supvr.*
Milo H. Deming, B. S., *Asst. Supvr.*
J. Edward Ritter, B. S., *Tech. Asst.*

REGION 5—California Region

California and southwestern Nevada (hdqrs., San Francisco, Calif.).
Stuart B. Show, A. B., M. F., *Reg. For.*

Law.
H. P. Dechant, A. B., LL. B., *Asst. to Solicitor.*

Finance and Accounts.
A. W. Smith, *Reg. Fiscal Agt.*
Howard E. Marshall, *Dep. Fiscal Agt.*

Operation.
Robert L. Deering, A. B., M. F., *Asst. Reg. For.*
Paul P. Pitchlynn, *Reg. For. Insp.* (*personnel, insp. and improvements*).
E. V. Lackey, *Admin. Asst.*
Elsa H. Schmieder, *Chief of Maintenance.*
C. E. Jordan, *Reg. For. Insp.*
W. A. Huestis, *Supt. of Road Const.* (*minor roads and trails*).
Frank E. Woodridge, *Chief Surv.* (*minor roads and trails*).
Chas. L. Young, *Chief Surv.* (*minor roads and trails*).
F. H. Hafley, *Telephone Engr.*

Fire Control.
Jay H. Price, B. S., *Asst. Reg. For.*
Walter E. Jotter, B. S., *Assoc. For.*
Tom West, *Asst. For. Supvr.*

State Cooperative Fire Protection under Clarke-McNary Law, California and Territory of Hawaii.
Jay H. Price, B. S., *Asst. Reg. For.*

Forest Management.
T. D. Woodbury, Ph. B., M. F., *Asst. Reg. For*
C. E. Dunston, B. F., *Assoc. For.*
J. R. Berry, *Log. Engr.*
B. O. Hughes. B. S., *Asst. For.* (*logging*).
J. C. Elliott, *Lumberman* (*timber sales*).
O. M. Evans, *Assoc. For.* (*timber surveys*).

Forest Pathology (in coop. with Bur. of Pl. Ind.).
Willis W. Wagener, A. B., M. S., *Consult Path.*
Ernest Wright, B. S., M. S., *Asst.*

Forest Insect Investigations (Stanford Univ., Calif.).
H. E. Burke, Ph. D., *Ent.*
J. M. Miller, *Ent.*

Range Management.
Jesse W. Nelson, *Asst. Reg. For.*
R. W. Beeson, B. A., *Asst. For.*

Lands.
L. A. Barrett, *Asst. Reg. For.*
George Miller, *Reg. For. Insp.*
W. H. Friedhoff, E. M., *Reg. For. Insp.*

Engineering.
E. W. Kramer, C. E., *Reg. Engr.*
John C. Beebe, B. S., *Sr. Civil Engr.*
S. H. Ketcham, *Assoc. Hydro-electrical Engr.* (*water power*).
H. A. Sedelmeyer, *Chief Draftsman.*
T. R. Littlefield, *Chief Surv.* (*maps and surveys*).
B. B. Burnett, *Asst. Reg. Engr.* (*roads*).
J. H. Lawrence, *Asst. Engr.* (*bridges*).

Public Relations.
W. I. Hutchinson, A. B., M. F., *Asst. Reg. For.*
Robert W. Ayres, Ph. B., M. F., *Sr. Admin. Asst.*
James N. Gibson, B. S., *Jr. For.*

National Forests.
California:
Angeles (hdqrs., Los Angeles, Calif.)—
Wm. V. Mendenhall, *Supvr.*
August J. Mueller, *Asst. Supvr.*
California (hdqrs., Willows, Calif.)—
Frank Price, *Supvr.*
W. F. Derby, A. B., *Asst. Supvr.*
Cleveland (hdqrs., San Diego, Calif.)—
L. H. Anderson, *Supvr.*
Eldorado (hdqrs., Placerville, Calif.)—
E. F. Smith, *Supvr.*
Arnold N. Weber, B. S., M. S., *Jr. For.*
Inyo (hdqrs., Bishop, Calif.)—
Roy Boothe, *Supvr.*
Klamath (hdqrs., Yreka, Calif.)—
F. D. Douthitt, *Supvr.*
Perry J. Hill, *Asst. Supvr.*
George E. Sargent, B. S., *Jr. For.*
W. W. Wooldridge, *Foreman Road Const.*
Lassen (hdqrs., Susanville, Calif.)—
W. G. Durbin, *Supvr.*
Reuben P. Box, *Asst. Supvr.*
John S. Everitt, B. S., M. F., *Asst. Supvr.*
Marc W. Edmonds, B. S., *Asst. For.*
Cyril B. Robinson, *Jr. Range Exam.*
C. W. Corson, B. S., M. S., *Jr. For.*
Modoc (hdqrs., Alturas, Calif.)—
Fred P. Cronemiller, B. S., *Supvr.*
Russell S. Bacon, B. S., M. S. F., *Jr. For.*
Fred J. Dooley, *Prin. Lumberman.*

National Forests—Continued.
California—Continued.
Plumas (hdqrs., Quincy, Calif.)—
D. N. Rogers, B. S., M. F., *Supvr.*
John T. Gray, *Asst. Supvr.*
Wm. S. Price, *Prin. Lumberman.*
Ambrose B. Everts, B. S., *Jr. For.*
Paul R. Kevin, B. S., *Jr. For.*
Lloyd W. Swift, B. S., *Jr. Range Exam.*
San Bernardino (hdqrs., San Bernardino, Calif.)—
J. E. Elliott, *Supvr.*
Arthur T. Shay, *Asst. Supvr.*
Leon H. J. Cranston, *Asst. Supvr.*
Santa Barbara (Hdqrs., Santa Barbara, Calif.)—
S. A. Nash-Boulden, *Supvr.*
Frank A. Robinson, *Asst. Supvr.*
Clarence A. Morris, *Asst. Supvr.*
Judell M. Samon, *Asst. Supvr.*
Sequoia (hdqrs., Porterville, Calif.)—
F. P. Cunningham, *Supvr.*
John S. Edwards, B. S., *Asst. Supvr.*
B. H. Mace, *Asst. Supvr.*
James P. Farley, B. S., *Jr. Range Exam.*
Shasta (hdqrs., Mt. Shasta, Calif.)—
Thos. J. Jones, *Supvr.*
Frank Myers, *Asst. Supvr.*
Dewitt Nelson, B. S., *Asst. Supvr.*
Belknap G. Goldsmith, B. S., M. F., *Log. Engr.*
Charles A. VanDewalker, B, S., *Jr. For.*
Fred W. Johnson, B. S., *Jr. Range Exam.*
Sierra (hdqrs., Northfork, Calif.)—
M. A. Benedict, B. S., *Supvr.*
Audie K. Wofford, *Asst. Supvr.*
Earl E. Bachman, B. S., *Jr. For.*
Stanislaus (hdqrs., Sonora, Calif.)—
J. R. Hall, B. S., M. S., *Supvr.*
Claude K. Barker, *Asst. Supvr.*
Orville P. Burnett, B. S., *Asst. For.*
George E. Sargent, B. S., *Jr. For.*
Tahoe (hdqrs., Nevada City, Calif.)—
R. L. P. Bigelow, *Super.*
Millard M. Barnum, B. S., *Asst. Supvr.*
Leland S. Smith, *Asst. Range Exam.*
Trinity (hdqrs., Weaverville, Calif.)—
Geo. M. Gowen, B. S., *Supvr.*
Percy D. Hanson, B. S., *Jr. For.*
Nevada:
Mono (hdqrs., Minden, Nev.)—
Wm. M. Maule, *Supvr.*

REGION 6—North Pacific Region

Washington and Oregon (hdqrs., Portland, Oreg.).
C. J. Buck, A. B., B. S., M. F., *Reg. For.*

Finance and Accounts.
A. H. Cousins, *Reg. Fiscal Agt.*
H. J. Well, *Dep. Fiscal Agt.*

Operation.
A. O. Waha, *Asst. Reg. For.*
Shirley Buck, *Admin. Off.*
K. P. Cecil, *Insp.* (*improvements*).
R. F. Grefe, B. S. F. (*studies*).
R. A. Bottcher, *Asst. Insp.*
T. P. Flynn, *Asst. Insp.*
C. M. Allen, *Telephone Engr.*

Fire Control.
F. H. Brundage, Ph. B., M. F., *Asst. Reg. For.*
W. B. Osborne, jr., A. B., M. F., *Insp.* (*fire suppression*).
T. M. Talbott, *Asst. Insp.* (*law enforcement*).

Inspection of Oregon and California Railroad Lands and State Fire Cooperation.
E. H. MacDaniels, A. B., M. F., *Insp.* (*fire coop.*).

Forest Management:
Fred Ames, A. B., M. F., *Asst. Reg. For.*
George L. Drake, B. S., *Admin. Asst.*
B. E. Hoffman, B. S., *Sr. Logging Engr.*
O. F. Ericson, A. B., M. S. F., *Log. Engr.*
G. E. Stevenson, *Chief Lumberman* (*check scaling*).
Fred A. Matz, *Chief Lumberman* (*timber surveys*).

Planting and Forest Investigations.
J. F. Kummel, M. A., *For. Exam.* (*planting*).
E. J. Hanzlik, B. S. F., *For. Exam.* (*investigation*).

Forest Pathology (in coop. with Bur. of Pl. Ind.).
H. G. Lachmund, A. B., *Assoc. Path.*
J. L. Mielke, B. S. F., *Jr. Path.*
C. N. Partington, B. S. H., *Jr. Path.*

Forest Insect Control.
A. J. Jaenicke, B. S. F., *For. Exam.*

Range Management.
E. N. Kavanagh, *Asst. Reg. For.*
W. L. Dutton, B. S., *Admin. Asst.*

Lands.
F. V. Horton, *Asst. Reg. For.*
F. W. Cleator, *Asst. Insp.* (*recreation*).
W. H. Friedhoff, E. M., *Mineral Exam.*
Adolph Nilsson, B. S., *Chief Land Exam.*

Engineering.
Philip H. Dater, A. B., B. S., *Reg. Engr.*
J. Frankland, C. E., *Assoc. Engr.* (*maps and surveys*).
Victor Flach, *Chief Draftsman.*

Products.
W. H. Gibbons, *For. Exam., in charge.*
Allen H. Hodgson, M. F., *For. Exam.*
H. M. Johnson, B. S., M. S. F., *For. Exam.*
H. R. Spelman, B. S., M. F., *For. Exam.*

Public Relations.
John D. Guthrie, Ph. B., M. F., *Asst. Reg. For.*
Geo. E. Griffith, *Admin. Asst.*
E. Maude Stone, *Libr.*

National Forests.
Oregon:
Cascade (hdqrs., Eugene, Oreg.)—
P. A. Thompson, *Supvr.*
C. C. Olsen, B. S. F., *Supt. of Const.*
H. E. Haefner, B. S. A., *Tech. Asst.*
M. L. Holst, B. S. F., *For. Rang.*
Crater (hdqrs., Medford, Oreg.)—
H. B. Rankin, *Supvr.*
N. C. White, B. E., *Asst. Supvr.*
W. J. Sproat, M. F., *Tech. Asst.*
Deschutes (hdqrs., Bend, Oreg.)—
Carl B. Neal, A. B., M. F., *Supvr.*
J. F. Campbell, *Asst. Supvr.*
W. J. Perry, *Lumberman.*
C. H. Huntington, B. S. F., *Jr. For.*
Leslie Colvill, B. S. F., *Jr. For.*

National Forests—Continued.
Oregon—Continued.
Fremont (hdqrs., Lakeview, Oreg.)—
Gilbert D. Brown, *Supvr.*
Lawrence Frizzell, *Asst. Supvr.*
R. W. Putnam, B. S., *Jr. For.*
Henry C. Hulett, M. S. F., *Jr. For.*
F. G. Ellis, B. S. F., *Jr. Range Exam.*
Malheur (hdqrs., John Day, Oreg.)—
Carl M. Ewing, *Supvr.*
Otto G. Koenig, B. S. F., *Jr. For.*
Bernard Lee, B. S. F., *Jr. Range Exam.*
Floyd Cory, B. S. F., *Jr. For.*
R. B. Pierpont, *Supt. of Const.*
C. W. Waterbury, *Lumberman.*
Mount Hood (hdqrs., Portland, Oreg.)—
Thomas H. Sherrard, A. B., *Supvr.*
R. T. Carter, *Asst. Supvr.*
H. D. Foster, A. B., M. F., *Tech. Asst.*
F. E. Williamson, jr., B. S. F., *Recreation Asst.*
O. E. Tharp, B. S. F., *For. Rang.*
F. F. Murray, *Supt. Const.*
Ochoco (hdqrs., Prineville, Oreg.)—
W. O. Harriman, A. B., *Supvr.*
W. A. Donnelly, *Asst. Supvr.*
Santiam (hdqrs., Albany, Oreg.)—
C. C. Hall, *Supvr.*
H. G. White, *Asst. Supvr.*
Siskiyou (hdqrs., Grants Pass, Oreg.)—
J. H. Billingslea, B. S. F., *Supvr.*
A. G. Jackson, A. B., M. S. F., *Tech. Asst.*
M. M. Lewis, *Asst. Supvr.*
Siuslaw (hdqrs., Eugene, Oreg.)—
Ralph S. Shelley, B. S., *Supvr.*
A. R. Wilcox, B. S., *Tech. Asst.*
Umatilla (hdqrs., Pendleton, Oreg.)—
J. F. Irwin, *Supvr.*
Lester Moncrief, B. S. F., *Asst. Supvr.*
F. D. Monroe, B. S., *Jr. For.*
Umpqua (hdqrs., Roseburg, Oreg.)—
Vernon V. Harpham, *Supvr.*
T. H. Burgess, B. S., *Asst. Supvr.*
K. P. McReynolds, B. S. F., *Jr. For.*
Paul S. Pieper, B. S. F., *For. Rang.*
Wallowa (hdqrs., Wallowa, Oreg.)—
Nelson J. Billings, *Supvr.*
E. E. Birkmaier, B. S., *For. Rang.*
Whitman (hdqrs., Baker, Oreg.)—
John C. Kuhns, *Supvr.*
F. W. Furst, B. S., *Asst. Supvr.*
I. E. Jones, *Supt. of Const.*
J. L. Peterson, B. S. H., *Assoc. Range Exam.*
Washington:
Chelan (hdqrs., Okanogan, Wash.)—
P. T. Harris, A. B., M. F., *Supvr.*
C. T. Moir, jr., *Asst. Supvr.*
Roy Mitchell, *Supt. of Const.*
Columbia (hdqrs., Portland, Oreg.)—
J. R. Bruckart, *Supvr.*
R. A. Bottcher, *Supt. of Const.*
J. M. Mann, *Supt. of Const.*
G. A. Bright, B. A., M. F., *Tech. Asst.*
Colville (hdqrs., Republic, Wash.)—
Glenn E. Mitchell, *Supvr.*
Lloyd L. Houghland, *Supt. of Const.*
J. B. Hogan, B. S. F., *Jr. For.*

National Forests—Continued.
Washington—Continued.
Mount Baker (hdqrs., Bellingham, Wash.)—
Lawrence B. Pagter, B. A., M. F., *Supvr.*
Lage Wernstedt, M. E., M. F., *Asst. For.*
D. J. Stoner, B. S. F., *Jr. For.*
Olympic (hdqrs., Olympia, Wash.)—
H. L. Plumb, A. B., M. S. F., *Supvr.*
Lee P. Brown, B. S. F., *Asst. Supvr.*
C. F. Ritter, *Supt. Const.*
Robert S. Maclay, B. S., *Jr. For.*
Paul H. Logan, B. S. F., *Jr. For.*
Rainier (hdqrs., Tacoma, Wash.)—
E. J. Fenby, *Supvr.*
R. L. Fromme, B. S. A., M. F., *Asst. Supvr.*
E. R. Johnson, *Supt. of Const.*
Otto Lindh, B. S. F., *Jr. For.*
Dahl Kirkpatrick, B. S. F., *For. Rang.*
Snoqualmie (hdqrs., Seattle, Wash.)—
W. G. Weigle, M. F., *Supvr.*
Lewis A. Treen, jr., B. S. F., *Asst. Supvr.*
Walter H. Lund, B. S., *Jr. For.*
Wenatchee (hdqrs., Wenatchee, Wash.)—
A. H. Sylvester, B. S., *Supvr.*
C. J. Conover, B. S., M. S. F., *Asst. Supvr.*
H. W. Elofson, B. S., *Range Exam.*

REGION 7—Eastern Region

Alabama, Arkansas, Florida, Georgia, Louisiana, Maine, Mississippi, New Hampshire, North Carolina, Pennsylvania, Porto Rico, South Carolina, Tennessee, Vermont, Virginia, and West Virginia (hdqrs., Washington, D. C.).
Joseph C. Kircher, B. A., M. F., *Reg. For.*

Finance and Accounts.
Louis King, *Reg. Fiscal Agt.*
H. B. Herms, *Dep. Reg. Fiscal Agt.*

Operation.
H. O. Stabler, M. F., *Asst. Reg. For.*
R. W. Shields, B. S., *Reg. For. Insp.*

Forest Management.
R. M. Evans, B. A., M. F., *Asst. Reg. For.*
L. S. Gross, B. S., *Assoc. Reg. For. Insp.*

Range Management.
I. T. Yarnall, B. S., *Asst. Reg. For.*

Lands.
I. T. Yarnall, B. S., *Asst. Reg. For.*
W. W. Ashe, M. S., *Sr. Reg. For. Insp.*
Percy J. Paxton B. A., M. F., *Sr. Reg. For. Insp.*

Engineering.
J. C. Dort, B. S., *Reg. Engr.*
Rezin E. Pidgeon, *Asst. Reg. Engr.*
Geo. W. Root, *Assoc. Engr.*

Public Relations.
———— *Asst. Reg. For.*
Wm. L. Maule, B. S., *Jr. For.*

National Forests.
Alabama:
Alabama (hdqrs., Athens, Tenn.)—
Clinton G. Smith, B. S., M. F., *Supvr.*
Arkansas:
Ouachita (hdqrs., Hot Springs Nat. Park, Ark.)—
Arnold C. Shaw, B. S., *Supvr.*
R. M. Conarro, *Asst. Supvr.*
Arthur W. Hartman, B. S., *Asst. For.*

National Forests—Continued.
Arkansas—Continued.
Onachita (hdqrs., Hot Springs Nat. Park, Ark.)—Continued.
Herbert E. Ochsner, B. S., M. F., *Asst. For.*
H. L. Russell, A. B., M. F., *Assoc. For.*
Chas. Melichar, B. S., M. F., *Jr. For.*
P. F. W. Prater, B. S., *Jr. For.*
Donald W. Beck, B. S., *Jr. For.*
Wm. R. Paddock, B. S., *Jr. For.*
Alfred H. Anderson, B. S., *Jr. For.*
Seaborn J. Johnson, B. S., *Jr. For.*
Ozark (hdqrs., Russellville, Ark.)—
Henry R. Koen, *Supvr.*
Philip H. Bryan, B. S., *Jr. For.*
Samuel D. Beichler, B. S., *Jr. For.*
Frank W. Rasor, B. S., *Jr. For.*
James S. Long, B. S., *Jr. Land Appraiser.*
Geo. C. Hoffman, B. S., *Jr. Land Appraiser.*
Florida:
Choctawhatchee (hdqrs., Pensacola, Fla.)—
Sam R. Broadbent, B. S., M. F., *Supvr.*
Eugene V. Roberts, B. S., M. F., *Jr. For.*
Willis B. Wheelis, B. S., M. F., *Jr. For.*
Ocala (hdqrs., Lake City, Fla.)—
Evan W. Hadley, B. S., *Supvr.*
Roland J. Riebold, B. S., *Jr. For.*
Osceola Purchase Unit (hqdrs., Lake City, Fla.)—
Evan W. Hadley, B. S., *Supvr.*
David S. Findlay, B. S., *Jr. For.*
Louisiana:
Kisatchie Purchase Unit (hdqrs., Alexandria, La.)—
Chas. A. Plymale, *Supvr.*
Chas. E. Beaumont, Ph. B., *Assoc. For.*
Geo. H. Stephenson, B. S., M. F., *Jr. For.*
L. E. Fitch, B. S., *Jr. Land Appraiser.*
Mark M. Lehrbas, B. S., *Jr. Land Appraiser.*
New Hampshire:
White Mountain (hdqrs., Laconia, N. H.)—
James E. Scott, *Supvr.*
H. R. Currier, *Asst. Supvr.*
Thos. C. Flint, B. S., *Jr. For.*
Allen R. Cochran, B. S., *Jr. For.*
J. Neil Van Alstine, B. S., *Jr. For.*
Gerald S. Wheeler, B. S., M. F., *Jr. For.*
North Carolina:
Nantahala (hdqrs., Franklin, N. C.)—
A. A. Wood, *Supvr.*
John Wasilik, Jr., M. F., Ph. B., *Land Appraiser.*
John H. Stone, B. S., M. F., *Jr. For.*
Donald Young, B. S., M. F., *Jr. For.*
Zeke B. Byrd, B. S., *Jr. For.*
Pisgah (hdqrs., Asheville, N. C.)—
M. A. Mattoon, M. F., Ph. B., *Supvr.*
John B. Byrne, B. S., *Asst. Supvr.*
Pennsylvania:
Allegheny (hdqrs., Warren, Pa.)—
L. L. Bishop, B. S., *Supvr.*
L. R. Strickenberg, B. S., *Chief Land Exam.*
W. I. Stevens, B. S., M. F., *Jr. Land Appraiser.*
Milford C. Howard, B. S., *Jr. For.*
Gilbert L. Varney, B. S., *Jr. For.*

National Forests—Continued.
Porto Rico:
Luquillo (hdqrs., Rio Piedras, P. R.)—
Wm. P. Kramer, B. S., *Supvr.*
Tennessee:
Cherokee (hdqrs., Athens, Tenn.)—
Clinton G. Smith, B. S., M. F., *Supvr.*
Ernest J. Schlatter, B. S., *Asst. Supvr.*
James Denman, B. S., *Chief Land Exam.*
F. C. Henneberger, B. S., *Jr. Land Appraiser.*
Unaka (hdqrs., Bristol, Tenn.)—
Clifford L. Graham, *Supvr.*
A. R. Kinney, B. S., *Chief Land Exam.*
Virginia:
Natural Bridge (hdqrs., Lynchburg, Va.)—
Harold M. Sears, B. S., *Supvr.*
F. Henry Sipe, B. S., M. F., *Jr. For.*
Shenandoah (hdqrs., Harrisonburg, Va.)—
John W. McNair, *Supvr.*
Frank A. Albert, B. S., *Jr. For.*
Vermont:
Green Mountain Purchase Unit (hdqrs., Bennington, Vt.)—
D. W. Tabbutt, B. S., *Land Appraiser.*
West Virginia:
Monongahela (hdqrs., Elkins, W. Va.)—
C. L. Perkins, B. S., *Supvr.*
E. R. Conrad, *Chief Land Exam.*
D. A. Oliver, B. S., *Nurseryman.*
W. E. Hedges, *Chief Land Exam.*
Lewis R. Smith, B. S., *Jr. For.*

REGION 8—Alaska Region

Alaska (hdqrs., Juneau).
Chas. H. Flory, B. S., *Reg. For.*

Finance and Accounts.
H. L. Redlingshafer, *Reg. Fiscal Agt.*
W. C. Ellis, *Dep. Reg. Fiscal Agt.*

Operation.
M. L. Merritt, M. S., *Asst. Reg. For.*
Harry Sperling, *Chief of Maintenance.*

Forest Management.
B. F. Heintzleman, M. F., *Asst. Reg. For.*
J. P. Williams, *For. Exam.* (*timber surveys*).
R. F. Taylor, M. F., *For. Exam.* (*silvical research*).

Lands.
M. L. Merritt, M. S., *Asst. Reg. For.*
Wellman Holbrook, *For. Exam.*

Engineering.
M. L. Merritt, M. S., *Asst. Reg. For.* (*roads*).
B. F. Heintzleman, M. F., *Asst. Reg. For.* (*water power*).

National Forests.
Alaska:
Chugach (hdqrs., Cordova, Alaska)—
W. J. McDonald, *Supvr.*
L. C. Pratt, *Exec. Asst.*
Tongass (hdqrs., Ketchikan, Alaska)—
Robert A. Zeller, B. S., *Supvr.*
C. W. Griffin, *Exec. Asst.*
L. W. Blodgett, *Sr. Engr.*
Bernard R. Aikens, *Sr. Engr.*

REGION 9—Lake States Region

Illinois, Indiana, Iowa, Ohio, Michigan, Minnesota, Missouri, Wisconsin, (hdqrs. Milwaukee, Wis.)—
Earl W. Tinker, B. S., M. F , *Reg. For.*
H. Basil Wales, B. S. F., M. F., *Asst. Reg. For.*
Crosby A. Hoar, B. A., M. F., *Asst. Reg. For.*
Albin G. Hamel, B. S., *For. Insp.* (Clarke-McNary Coop.).

Finance and Accounts.
Shelley E. Schoonover, *Reg. Fisc. Agt.*
Wm. B. Ihlandfeldt, *Dep. Reg. Fisc. and Purch. Agt.*

Engineering.
Roads:
Holland Coleman, *Assoc. Civil Engr.*
Maps and Surveys.
H. P. McConnell, *Draftsman.*

National Forests and Purchase Units.
Michigan:
Huron National Forest (hdqrs. East Tawas, Mich.)—
Robert G. Schreck, B. S. F., *For Supvr.*
Ralph H. Johnson, *Nurseryman.*
H. C. Turner, B. S., *Nurseryman.*
Marquette Purchase Unit (hdqrs. Munising, Mich.)—
Wm. L. Barker, Jr., B. S. F., *In charge.*
Allen F. Miller, B. S. F., *Asst.*

National Forests and Purchase Units—Continued.
Michigan—Continued.
Marquette Purchase Unit (hdqrs. Munising, Mich.)—Continued.
Alban G. Roemer, B. S. F., Mackinac P. U., Munising, Mich.
H. Phil Brandner, B. S. F., Marquette, P. U., Raco, Mich.
S. E. Doering, Keweenaw P. U., Kenton, Mich.
Minnesota:
Chippewa National Forest (hdqrs. Cass Lake, Minn.)—
Howard Hopkins, B. A., M. F , *Supvr.*
Gunnar K. Fenger, B. S. F., *Asst.*
Superior National Forest (hdqrs. Ely, Minn.)—
S. D. Anderson, B. S. F., *Supvr.*
Calvin B. Stott, B. S. F., *Asst.*
R. B. McKennan, B. S. F , *In charge Kawishiwi Sale.*
J. M. Walley, B. S. F., St. Croix P. U., Duluth, Minn.
Wisconsin:
Wisconsin Purchase Units (hdqrs. Park Falls, Wis.)—
R. U. Harmon, B. S. F., *Supvr.*
Leslie S. Bean, B. S. F., *Asst.*
Donald R. Ball, B. S. F., Moquah P. U., Washburn, Wis.
Ray C. Iverson, B. S. F., Oneida P. U., Eagle River, Wis.

GRAIN FUTURES ADMINISTRATION

J. W. T. Duvel, B. S., D. Sc., *Chief.*
Joseph M. Mehl, LL. M., M. P. L., *Asst. Chief.*
Albert Strack, *Admin. Asst.*

Grain Exchange Supervision.
California—Sacramento:
L. M. Jeffers, B. S., *Supvr. in charge.*
Illinois—Chicago:
Leslie A. Fitz, B. S., *Prin. Gr. Exchange Supvr., in charge.*
Chas. M. Fritz, B. S., M. S., *Sr. Gr. Exchange Supvr.*
Paul Mehl, B. S., M. S., *Sr. Agr. Econ.*
Harold S. Irwin, B. S., M. S., *Agr. Econ.*
Enos M. Blaylock, C. P. A., *Asst. Chf. Acct.*
Arthur W. Mayo, C. P. A., *Prin. Acct.*
Michael M. Thul, *Jr. Supvr.*
Louise Freeman,* *Head Clerk.*

Grain Exchange Supervision—Continued.
Minnesota—Minneapolis:
Jewett R. Mathewson, *Sr. Gr. Exch. Supvr., in charge.*
Missouri—Kansas City:
Wm. F. Logan, *Sr. Gr. Exch. Supvr., in charge.*
Harold I. Hollister, B. S., M. S., *Asst. Mkt. Spec.*
Nebraska—Omaha:
Rodger R. Kauffman, LL. B., *Sr. Gr. Exch. Supvr., in charge.*
Washington—Seattle:
L. E. Wolf, B. S. A., *Assoc. Mkt. Spec., in charge.*

BUREAU OF HOME ECONOMICS

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ECONOMICS DIVISION

Hildegarde Kneeland, A. B., Ph. D., *Prin. Home Econ., in charge.*
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Laura C. Brossard, B. S., M. A., *Asst. Home Econ.*
Helen R. Nebeker, A. B., *Asst. Home Econ.*
Helen L. C. Connolly, A. B., M. A., *Jr. Home Econ.*
Ruth R. Moore, B. S., *Jr. Home Econ.*
Margery L. Gray,* B. S., *Asst. Sci. Aid (dietary studies).*

FOODS AND NUTRITION DIVISION

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Lucy M. Alexander, A. B., B. S., *Assoc. Spec. in Foods.*
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Esther P. Daniel,* B. S., M. S., *Assoc. Nutr. Chem.*
Rosemary Loughlin, B. A., M. S., *Assoc. Spec. in Foods.*
Mabel C. Stienbarger, B. S., M. A., *Assoc. Spec. in Foods.*
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Hilda Black Kifer,* B. S., *Asst. Nutr. Chem.*
Charlotte H. Miller, B. S., *Asst. Chem.*
Elizabeth Fuller, B. A., *Jr. Spec. in Foods.*
Anna M. Pabst, A. B., *Jr. Bacteriologist.*
Fanny W. Yeatman,* *Jr. Spec. in Foods.*
June C. Reynolds, A. B., M. A., *Sci. Aid.*
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Margaret S. Furry, B. S., M. S., *Asst. Textile Chem.*
Olive P. Hartley, B. A., M. S., *Asst. Textile Chem.*
Margaret B. Hays, A. B., M. S., *Asst. Physicist.*
Clarice L. Scott, B. S., M. S., *Asst. Spec. in Clothing.*
Bess M. Viemont, B. S., M. S., *Asst. Spec. in Textiles.*

BUREAU OF PLANT INDUSTRY

William A. Taylor, B. S., D. Sc., *Chief.*
Karl F. Kellerman, B. S., D. Sc., *Assoc. Chief.*
H. E. Allanson, B. S., *Asst. Chief.*

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W. E. Taylor, *Chief Clerk.*
F. E. Meloy, *Sr. Admin Asst.*
W. P. Cox, *Asst., in charge of Accounts.*
Sarah M. McInteer, *Personnel Clerk.*

Publications.
James M. Pickens, *Assoc. Ed., in charge.*
Edwina V. A. Avery,* LL. B., LL. M., M. P. L. *Asst. Ed.*
Rose A. Palmer, A. B., *Asst. Ed.*

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Marjorie F. Warner, *Asst. Libr.*
Ruth D. Forbes, B. S., *Jr. Libr.*
Martha A. Sherman, *Jr. Libr.*
Elizabeth R. Pendleton, A. B., *Jr. Libr. Asst.*

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William L. Popham, B. S., *Agent.*
District No. 1—Fargo, N. Dak. (Montana, North Dakota):
George C. Mayoue, M. S., *Assoc. Path.*
District No. 2—Brookings, S. Dak. (South Dakota, eastern Nebraska):
Raymond O. Bulger, B. S., *Agent.*
Marion E. Yount, B. S., *Agent.*
District No. 3—Fort Collins, Colo. (Colorado, western Nebraska, Wyoming):
Ernest A. Lungren, M. S., *Assoc. Path.*
Harry E. Morris, M. S., *Collab.*
Illinois—Urbana:
Robert W. Bills, B. S., *Agent.*

FIELD STATIONS—Continued.
Indiana—La Fayette:
Wayne E. Leer, M. S., *Agent.*
I. Lester McCoy, B. S., *Agent.*
Iowa—Ames:
Donald R. Shepherd, B. S., *Agent.*
Michigan—East Lansing:
Francis B. Powers, B. A., *Agent.*
Minnesota—St. Paul:
Elvin C. Stakman, M. A., Ph. D., *Agent.*
Edward M. Freeman, M. S., Ph. D., *Collab.*
Ralph U. Cotter, M. S., Ph. D., *Asst. Path.*
Leonard W. Melander, M. S., Ph. D., *Assoc. Path.*
Gilbert D. George, *Agent.*
Ohio—Columbus:
Harry A. Atwood, B. S., M. S., *Agent.*
Wisconsin—Madison:
Ralph M. Caldwell, M. S., Ph. D., *Agent.*

ARLINGTON EXPERIMENT FARM, ROSSLYN, VA.

E. C. Butterfield, B. S., *Sr. Hort. and Supt. in charge.*
J. H. Criswell, B. S., *Assoc. Hort., Asst. Supt.*
Joseph L. Rhodes, *Prin. Sci. Aid.*
Edward C. Taylor, *Asst. Sci. Aid.*
August Mayer, *Sr. Gardener, in charge of greenhouses.*
Hershey W. Brunk, *Foreman Gardener.*

BIOPHYSICAL LABORATORY

G. N. Collins, *Prin. Bot., in charge.*
J. H. Kempton, *Bot.*
J. O. Belz, Ph. B., M. Di., *Assoc. Biophys.*
L. H. Flint, B. S., M. S., Ph. D., *Assoc. Physiol.*
A. E. Longley, B. S., A. M., Ph. D., *Assoc. Bot.*

John W. McLane, B. S., *Asst. Biophys.*
William D. Donahoo, *Sr. Lab. Mech.*
Bruce Caldwell, *Un. Sci. Helper.*

BLISTER RUST CONTROL

Samuel B. Detwiler, B. S. F., *Prin. Path., in charge.*

Eastern Control Program.

James F. Martin, B. S., M. S., Ph. D., *Sr. Path., in charge.*

Roy G. Pierce, A. B., B. S. F., M. S. F., *Assoc. Path.*

Eastern and Lake States (field hdqrs., Boston, Mass.):

Edmund C. Filler, B. S. F., *Sr. Path., Field Supervisor.*

Connecticut:

New Haven—

James E. Riley, jr., B. S., M. F., *Asst. Path., State Leader.*

Walter O. Filley, *Collab.*

Maine:

Auburn—

Guy H. Kimball, *Agt., Local Dist. Leader.*

Augusta—

Walter O. Frost, B. S. F., *Assoc. Path., State Leader.*

Arthur J. Lambert, *Agt.*

Neil L. Violette, A. B., LL. B., *Collab.*

Belfast—

Harrington G. Bradbury, jr., *Agt., Local Dist. Leader.*

North Bridgton—

Daniel S. Curtis, *Agt., Local Dist. Leader.*

Waterville—

John MacG. White, *Agt., Local Dist. Leader.*

Maryland—Baltimore:

John R. Curry, B. S., *Collab.*

Massachusetts:

Arlington Heights—

William T. Roop, *Agt., Local Dist. Leader.*

Boston—

Carl C. Perry, B. S., M. F., *Agt., State Leader.*

Kirk K. Stimson, *Agt.*

North Abington—

Earle M. Brockway, B. S., *Agt., Local Dist. Leader.*

Northampton—

George S. Doore, *Agt., Local Dist. Leader.*

Taunton—

Lewis W. Hodgkins, *Agt.*

West Springfield—

Ralph E. Wheeler, *Agt., Local Dist. Leader.*

Worcester—

William Clave, *Agt., Local Dist. Leader.*

Michigan:

Ann Arbor—

Dow V. Baxter, B. S. F., M. S. F., Ph. D., *Collab.*

Lansing—

David J. Stouffer, B. S., *Agt., State Leader.*

John K. Kroeber, B. S., *Agt., Local Dist. Leader.*

Minnesota—St. Paul:

Lawrence B. Ritter, B. S. F., *State Leader.*

Eastern Control Program—Continued.

New Hampshire:

Concord—

Leonard E. Newman, *Agt., State Leader.*

Thomas J. King, *Agt., Local Dist. Leader.*

John H. Foster, M. S., M. F., *Collab.*

Conway—

Stephen H. Boomer, B. S. F., *Agt., Local Dist. Leader.*

Exeter—

Lewis C. Swain, B. S. F., *Agt., Local Dist. Leader.*

Keene—

Frederick J. Baker, *Agt., Local Dist. Leader.*

Laconia—

William J. Cullen, *Agt., Local Dist. Leader.*

Lebanon—

George F. Richardson, jr., *Agt., Local Dist. Leader.*

Woodsville—

Thomas L. Kane, *Agt., Local Dist. Leader.*

New Jersey—Trenton:

Paul B. Mott, B. S. A., *State Leader.*

New York:

Albany—

H. L. McIntyre, *Collab., State Leader.*

George E. Stevens, *Collab., Local Dist. Leader.*

Boonville—

Theodore P. Woolschlager, B. S., *Agt., Local Dist. Leader.*

Gloversville—

John W. Charlton, B. S., *Agt., Local Dist. Leader.*

Hyde Park—

Harrison G. Strait, *Agt., Local Dist. Leader.*

Lewis—

Benjamin H. Nichols, *Agt., Local Dist. Leader.*

Peru—

Harry W. Holcomb, *Agt., Local Dist. Leader.*

Saranac Lake—

Walter F. Pratt, B. S., *Agt., Local Dist. Leader.*

Saratoga Springs—

Phillip E. Barber, *Agt., Local Dist. Leader.*

Warrensburg—

Alfred E. Fivaz, B. S. F., *Agt., Control Inves.*

Noble H. Harpp, *Agt., Local Dist. Leader.*

Ernest G. Woodward, *Agt., Local Dist. Leader.*

Pennsylvania—Brockway:

Richard P. Fatzinger, B. F., *Agt., State Leader.*

Rhode Island—Providence:

Archie W. Hurford, B. S., *Agt., State Leader.*

Vermont:

Montpelier—

Perry H. Merrill, B. S., M. F., *Collab., State Leader.*

Rutland—

Wilbur E. Bradder, *Agt., Local Dist. Leader.*

White River Junction—

Frank H. Rose, *Agr., Local Dist. Leader*

Eastern Control Program—Continued.
Wisconsin—Madison:
Theodore F. Kouba, B. S., *Agt., State Leader.*
Herman J. Ninman, B. S., M. S., *Agt.*
Paul D. Kelleter, A. B., M. F., *Collab.*

Western Control Program.
Gilbert B. Posey, B. S., M. S., *Sr. Path., in charge.*
Western States (field hdqrs., Spokane, Wash.):
Stephen N. Wyckoff, B. S., *Sr. Path., Field Supervisor.*
California:
Berkeley—
Frank A. Patty, B. S., M. S., *Jr. Path.*
Clarence R. Quick, A. B., *Agt.*
Harold R. Offord, B. A., M. A., *Agt.*
Rene P. d'Urbal, A. B., *Agt.*
George R. Van Atta, *Agt.*
Irma E. Webber,* A. B., M. A., Ph. D., *Agt.*
James P. Bennett, A. B., A. M., Ph. D., *Collab.*
Thomas H. Goodspeed, A. B., Ph. D., *Collab.*
Dennis R. Hoagland, A. B., M. A., *Collab.*
Los Angeles—
Carl C. Epling, A. B., M. S., Ph. D., *Collab.*
Sacramento—
George A. Root, B. S., M. S., *Asso. Path., State Leader.*
Colorado—Fort Collins:
Burton O. Longyear, B. S., *Collab.*
Idaho—Moscow:
Ernest E. Hubert, B. S., M. S., Ph. D. *Collab., State Leader.*
Thomas H. Harris, B. S., *Jr. For.*
Douglas R. Miller, B. S., *Jr. For.*
George E. Draper, B. S., *Agt.*
Montana—Missoula:
Charles H. Johnson, B. S. F., *Asso. Path., State Leader.*
Oregon—Corvallis:
Leslie N. Goodding, B. A., B. S. F., B. Ped., *Assoc. Path., State Leader.*
Frank P. Sipe, B. S., M. S., *Agt.*
Utah—Salt Lake City:
Albert O. Garrett, A. B., *Collab.*
Washington:
Olympia—
Elton F. Ross, *Collab.*
Spokane—
Henry N. Putnam, B. S., *Assoc. Path.*
William A. Rockie, B. S. A., *Asst. Path.*
Clarence C. Strong, B. S., *Assoc. For.*
Bernard A. Anderson, B. S. F., M. S. F., *Jr. For.*
Warren V. Benedict, B. S. F., *Asst. For.*
Marvin C. Riley, B. S. F., *Assoc. For.*
Edward L. Joy, B. S., *Jr. For.*
William G. Guernsey, B. S., *Jr. For.*
John F. Breakey, B. S., *Agt.*
Clarence M. Chapman, *Agt.*
Harry E. Crossley, *Agt.*
Harry F. Geil, *Agt.*
Aaron H. Glasgow, *Agt.*
Robert L. MacLeod, A. B., *Agt.*
Kermit Miller, *Agt.*

Western Control Program—Continued.
Washington—Continued.
Spokane—Continued.
Remley E. Myers, *Agt.*
Fred F. Staat, B. S., *Agt.*
Herman E. Swanson, A. B., *Agt*
George M. Whiting, *Agt.*

BOTANY

Frederick V. Coville, A. B., D. Sc., *Prin. Bot., in charge.*

Economic and Systematic Botany
S. F. Blake, A. M., Ph. D., *Sr. Bot.*
Agnes Chase*, *Assoc. Bot.*
Oliver M. Freeman, A. B., *Asst. Bot.*
Field Headquarters.
North Carolina—Willard:
Gustav A. Schulze, B. F., For. Eng. *Assoc. Bot.*

Grass Investigations.
A. S. Hitchcock, B. S. A., M. S., D. Sc., *Prin. Bot.*
Alice C. Atwood, Ph. B., *Asst. Libr.*
Jason R. Swallen, B. A., M. S., *Jr. Bot.*
Cornelia D. Niles, *Sr. Libr. Asst.*

Range Investigations.
Ivar Tidestrom, Ph. B., *Asst. Bot.*

Weed Investigations.
M. W. Talbot, B. S., *Sr. Bot.*

CEREAL CROPS AND DISEASES

Max A. McCall, M. S., *Prin. Agron., in charge.*

Cereal Agronomy Investigations.
(1) Eastern Wheat Investigations.
Clyde E. Leighty, B. A., Ph. D., *Prin. Agron.*
William J. Sando, M. S., *Assoc. Agron.*
(2) Western Wheat Investigations.
J. Allen Clark, M. S., *Sr. Agron.*
Karl S. Quisenberry, M. S., Ph. D., *Assoc. Agron.*
————, *Jr. Chem.*
Clarence G. Colcord, *Sci. Aid.*
(3) Milling and Baking Investigations.
Colburn C. Fifield, B. A., *Asso. Bak. Tech.*
(4) Oat Investigations.
T. Ray Stanton, M. S., *Sr. Agron.*
Franklin A. Coffman, M. S., *Assoc. Agron.*
(5) Barley Investigations.
Harry V. Harlan, M. S., D. Sc., *Prin. Agron.*
Merritt N. Pope, B. S., A. M., Ph. D., *Assoc. Agron.*
Mary L. Martini, B. S., *Asst. Bot.*
Lucille Reinbach, B. A., *Jr. Agr. Stat.*
(6) Rice Investigations.
Charles E. Chambliss, M. S., *Assoc. Agron.*
(7) Corn Investigations.
Frederick D. Richey, B. S., *Sr. Agron.*
Curtis H. Kyle, B. S., *Sr. Agron.*
Harry S. Garrison, B. S., *Asst. Agron.*
Joseph M. Hammerly, *Sr. Sci. Aid.*
(8) Grain Sorghum and Broomcorn Investigations.
John H. Martin, M. S., Ph. D., *Agron.*
(9) Seed Flax Investigations.
Arthur C. Dillman, M. S., *Assoc. Agron.*

Cereal Pathology Investigations.
Aaron G. Johnson, M. S., Ph. D., *Prin. Path.*
(1) Sac and Imperfect Fungi Investigations.
Aaron G. Johnson, M. S., Ph. D., *Prin. Path.*
(2) Cereal Rust Investigations.
Harry B. Humphrey, B. S., Ph. D., *Prin. Path.*
(3) Cereal Smut Investigations.
————, *Sr. Path.*
————, *Asst. Path.*
(4) Cereal Bacteria Investigations.
Charlotte Elliott, A. M., Ph. D., *Assoc. Path.*
(5) Cereal Pathologic Physiology.
Annie M. Hurd-Karrer,* M. S., Ph. D., *Assoc. Physiol.*

Field Stations (Coop.).
Arkansas—Fayetteville:
Edgar C. Tullis, M. A., Ph. D., *Agt.* (*rice diseases*).
California:
Berkeley—
Ruth F. Allen, M. A., Ph. D., *Path.* (*cereal rust inv.*).
————, *Assoc. Path.* (*cereal smut inv.*).
Biggs—
Jenkin W. Jones, M. S., *Sr. Agron. and Supt.* (*rice inv.*).
Davis—
Gustav A. Wiebe, M. S., *Asst. Agron.* (*cereal prod. and improvement*).
Georgia—Athens:
Ross R. Childs, M. S., *Agt.* (*cereal prod. and improvement*).
Idaho:
Aberdeen—
Loren L. Davis, M. S., *Jr. Agron.* (*cereal prod. and improvement*).
Moscow—
Victor H. Florell, M. S., Ph. D., *Assoc. Agron.* (*cereal prod. and improvement*).
Wayne M. Bever, M. S., *Jr. Path.* (*stripe rust inv.*).
J. Milford Raeder, M. S., *Agt.* (*stripe rust inv.*).
Illinois:
Bloomington—
James R. Holbert, M. S., Ph. D., *Sr. Agron.* (*corn root-rot, stalk-rot, and ear-rot inv.*).
Boyd C. Frye, *Asst. Sci. Aid.* (*corn root-rot, stalk-rot, and ear-rot inv.*).
Indiana—La Fayette:
John F. Trost, M. S., *Assoc. Path.* (*corn root-rot, stalk-rot, and ear-rot inv.*).
Ralph R. St. John, M. S., *Assoc. Agron.* (*corn root-rot, stalk-rot, and ear-rot inv.*).
Glenn M. Smith, M. S., *Asst. Path.* (*corn root-rot, stalk-rot, and ear-rot inv.*).
Roy A. Weaver, B. S., *Agt.* (*chemical studies, corn diseases*).
Edwin B. Mains, A. B., Ph. D., *Agt.* (*leaf rust inv.*).
Leroy E. Compton, M. S., *Asst. Path.* (*leaf rust inv.*).
Iowa—Ames:
Merle T. Jenkins, M. S., Ph. D., *Assoc. Agron.* (*corn inv.*).

Field Station (Coop.)—Continued.
Iowa—Ames—Continued.
Arthur A. Bryan, M. S., *Assoc. Agron.* (*corn inv.*).
Robert W. Jugenheimer, *Agt.* (*corn inv.*).
Hickman C. Murphy, M. S., Ph. D., *Asst. Path.* (*oat crown-rust inv.*).
Lyman C. Burnett, M. S., *Agt.* (*cereal prod. and improvement*).
Kansas:
Hays—
Arthur F. Swanson, M. S., *Assoc. Agron.* (*cereal prod. and improvement*).
Manhattan—
Arthur M. Brunson, M. S., Ph. D., *Agron.* (*corn inv.*).
Carl W. Bower, M. S., *Asst. Agron.* (*corn inv.*).
John H. Parker, M. S., Ph. D., *Agron.* (*cereal breeding and improvement*).
Leo E. Melchers, M. S., *Agt.* (*cereal diseases*).
Hurley Fellows, M. S., Ph. D., *Assoc. Path.* (*wheat foot-rot inv.*).
Christian H. Ficke, M. S., *Jr. Path.* (*wheat foot-rot inv.*).
Charles O. Johnston, M. S., *Assoc. Path.* (*leaf rust inv.*).
Louisiana:
Baton Rouge—
Hugo F. Stoneberg, M. S., *Asst. Agron.* (*corn inv.*).
Crowley—
J. Mitchell Jenkins, B. S., *Assoc. Agron. and Supt.* (*rice inv.*).
Minnesota:
St. Paul—
Moses N. Levine, M. S., Ph. D., *Path.* (*stem rust inv.*).
Helen Hart, M. A., Ph. D., *Agt.* (*stem rust inv.*).
Elmer R. Ausemus, M. S., *Assoc. Agron.* (*cereal breeding inv.*).
Rayburn H. Bamberg, M. S., *Agt.* (*cereal diseases*).
Herbert K. Hayes, M. S., Sc. D., *Collab.* (*cereal breeding inv.*).
Herman A. Rodenhiser, M. S., Ph. D., *Agt.* (*flax diseases*).
Missouri:
Columbia—
Lewis J. Stadler, B. S., A. M., Ph. D., *Agt.* (*corn inv.*).
Elsberry—
Bascom M. King, B. S., A. M., *Agt.* (*rice inv.*).
Montana:
Moccasin—
Burton B. Bayles, M. S., *Asst. Agron.* (*cereal prod. and improvement*).
Joe L. Sutherland, M. S., *Jr. Agron.* (*cereal prod. and improvement*).
Nebraska:
Lincoln—
Coit A. Suneson, M. S., *Jr. Agron.* (*cereal prod. and improvement*).
Theodore A. Kiesselbach, A. B., B. S., M. S., Ph. D., *Agt.* (*corn inv.*).
North Platte—
Nelson E. Jodon, B. S., *Jr. Agron.* (*cereal prod. and improvement*).

Field Stations (Coop.)—Continued.
New York—Ithaca:
Lowell F. Randolph, Ph. D., *Assoc. Cytol.* (*cytology, histology, and morphology of corn*).
William T. Craig, *Agt.* (*cereal prod. and improvement*).
Ernest Dorsey, B. S., Ph. D., *Agt.* (*cytology of cereals*).
North Dakota:
Dickinson—
Ralph W. Smith, M. S., *Assoc. Agron.* (*cereal prod. and improvement*).
Fargo—
Lytton W. Boyle, M. S., *Asst. Path.* (*flax diseases*).
Langdon—
Glenn S. Smith, B. S., *Jr. Agron.* (*cereal prod. and improvement*).
Mandan—
John C. Brinsmade, jr., A. B., *Asst. Agron.* (*flax inv.*).
Vincent C. Hubbard, M. A., *Jr. Agron.* (*cereal prod. and improvement*).
Ohio:
Wooster—
Jasper D. Sayre, M. A., Ph. D., *Agt.* (*corn physiology*).
John S. Cutler, M. S., *Agt.* (*corn inv.*).
Vincent H. Morris, M. A., *Agt.* (*corn inv.*).
Glen H. Stringfield, M. S., *Agt.* (*corn inv.*).
Oklahoma—Woodward:
John B. Sieglinger, M. S., *Agron.* (*grain sorghum and broomcorn inv.*).
Edmund Stephens, M. S., *Jr. Agron.* (*cereal prod. and improvement*).
Oregon:
Moro—
David E. Stephens, B. S., *Sr. Agron. and Supt.* (*cereal prod. and improvement*).
James F. Martin, B. S., *Jr. Agron.* (*cereal prod. and improvement*).
Robert B. Hoskinson, *Sr. Sci. Aid* (*cereal prod. and improvement*).
Corvallis—
Roderick Sprague, M. S., Ph. D., *Asst. Path.* (*wheat foot rots*).
South Dakota—Redfield:
Edgar S. McFadden, B. S., *Assoc. Agron.* (*cereal prod. and improvement*).
Tennessee—Knoxville:
Ludwig S. Mayer, M. S., *Asst. Agron.* (*corn inv.*).
Virginia—Rosslyn (Arlington Exp. Farm):
Harold H. McKinney, M. S., *Sr. Path.* (*virus diseases*).
————, *Asst. Path.* (*virus diseases*).
Walter Marcey, *Hd. Gardener* (*virus diseases*).
Robert W. Leukel, M. S., *Assoc Path.* (*cereal disease inv.*).
Fred Young, *Jr. Sci. Aid.* (*cereal disease inv.*).
Victor F. Tapke, B. S., Ph. D., *Path.* (*cereal smut inv.*).
John W. Taylor, M. S., *Assoc. Agron.* (*cereal production and improvement*).
George F. Sprague, M. S., Ph. D., *Asst. Agron.* (*corn inv.*).
Horace V. Wester, *Jr. Sci. Aid* (*cereal smut inv.*).
Robert E. Wester, *Asst. Sci. Aid* (*oat inv.*).

Field Stations (Coop.)—Continued.
Washington—Pullman:
Edward F. Gaines, M. S., Sc. D., *Agt.* (*cereal smut inv.*).
Harold H. Flor, M. S., Ph. D., *Assc. Path.* (*cereal smut inv.*).
Wisconsin—Madison:
James G. Dickson, M. S., Ph. D., *Agt.* (*cereal disease inv.*).
Karl P. Link, M. S., Ph. D., *Agt.* (*cereal disease inv.*).
Allan D. Dickson, B. S., Ph. D., *Agt.* (*barley scab*).
Paul E. Hoppe, B. S., *Agt.* (*barley scab*).
Ruebush G. Shands, M. S., Ph. D., *Agt.* (*barley scab*).
Helen Johann, A. M., *Asso. Path.* (*wheat scab inv.*).
Chester Barlow, *Asst. Sci. Aid* (*wheat scab inv.*).

CITRUS CANKER ERADICATION

Directed by Assoc. Chief of Bureau.
FIELD HEADQUARTERS.
Alabama—Mobile:
John W. Pace, M. S., *Agt.* (delegated by Comr. of Agr. of Alabama to direct all local work pertaining to erad. of citrus canker).
Florida—Gainesville:
Wilmon Newell, M. S., D. Sc., *State Pl. Comr.* (*Collab.*).
Louisiana—Baton Rouge:
W. E. Anderson, B. S., *State Ent.* (*Collab.*).
Mississippi—A. and M. College:
R. W. Harned, B. S., *State Ent.* (*Collab.*).
Texas—Austin:
J. M. Del Curto, B. S., *State Ent.* (*Collab.*).

COTTON, RUBBER, AND OTHER TROPICAL PLANTS

O. F. Cook, Ph. B., D. Sc., Prin. Bot., in charge.
Crop Acclimatization, Cotton Production and Diseases, and Rubber Production Investigations.
C. B. Doyle, *Prin. Agron.*
W. H. Jenkins, B. S., *Assoc. Agron.*
J. A. Shanklin, *Asst. Agr. Econ.*
L. G. Polhamus, *Chief Sci. Aid.*
R. L. Taylor, *Chief Sci. Aid.*
A. V. McMullan, *Asst. Sci. Aid.*
FIELD STATIONS.
Arizona—Sacaton (U. S. Field Station):
C. J. King, B. S., *Agron. and Supt.*
H. F. Loomis, *Asst. Agron.*
Claude Hope, B. S., *Jr. Hort.*
Francis L. Smith, M. S., *Jr. Agron.*
California:
Bard (U. S. Acclimatization Garden)—
R. E. Beckett, *Prin. Sci. Aid* (*Acting Supt.*).
R. S. Stitt, *Asst. Sci. Aid.*
Indio—
H. G. McKeever, *Assoc. Agron.*
Shafter (U. S. Cotton Field Station)—
F. W. Herbert, *Prin. Sci. Aid* (*Acting Supt.*).
W. E. Clark, B. S., *Jr. Agron.*
J. E. Hite, *Agt.*
J. W. Hubbard, *Sr. Sci. Aid.*

Crop Acclimatization, Cotton Production and Diseases, and Rubber Production Investigations—Continued.
FIELD STATIONS—Continued.
California—Continued.
Stanford University—
H. M. Hall, *Collab.*
Torrey Pines (U. S. San Diego Acclimatization Garden)—
C. G. Marshall, *Asst. Agron. and Supt.*
A. D. Harvey, *Asst. Sci. Aid.*
Florida—Coconut Grove (U. S. Plant Introduction Garden):
Alfred Keys, *Assoc. Hort.*
Joseph L. Fennell, *Asst. Sci. Aid.*
Haiti:
Bayeux—
Laurence Bolte, *Agt.*
Thor—
F. C. Baker, B. S., *Sr. Technol. and Supt.*
J. L. Jenkins, *Agt.*
New Mexico—State College (U. S. Acclimtization Field Station):
A. R. Leding, *Chief Sci. Aid.*
L. R. Lytton, *Asst. Sci. Aid.*
South Carolina—James Island, near Charleston (U. S. Acclimatization Field Station):
D. M. Simpson, B. S., *Assoc. Agron. and Supt.*
J. S. Townsend, *Tech.*
W. W. Ballard, *Chief Sci. Aid.*
W. E. Townsend, *Agt.*
J. G. Jenkins, *Agt.*
J. P. Royall, *Under Sci. Helper.*
Texas:
Austwell—
J. H. Kinsler, *Collab.*
Greenville (U. S. Cotton Breeding Field Station)—
H. C. McNamara, B. S., *Assoc. Agron. and Supt.*
D. C. Neal, Ph. D., *Sr. Path.*
D. R. Hooton, B. S., *Asst. Pomol.*
W. P. Snyder, M. S., *Sr. Sci. Aid.*
D. D. Porter, *Asst. Sci. Aid.*
L. G. McLean, *Under Sci. Helper.*

DRUG AND RELATED PLANTS

W. W. Stockberger, B. S., Ph. D., *Prin. Physiol., in charge.*

Drug Plants, Volatile Oils, Fixed Oils, and Waste Products Investigations.
Arthur F. Sievers, Pharm. G., B. S., *Sr. Biochem.*
Frank Rabak, Pharm. G., B. S., *Assoc. Biochem.*
Morris S. Lowman, B. A., *Asst. Biochem.*

Poisonous Plant Investigations.
Otis F. Black, A. M., *Sr. Biochem.*
Willard W. Eggleston, B. S., *Asst. Bot.*
James W. Kelly, Phar. D., *Jr. Biochem.*

DRY LAND AGRICULTURE

E. C. Chilcott, B. S., M. S., *Prin. Agr., in charge.*
John S. Cole, B. S., *Sr. Agron.*
NORTHERN FIELD STATIONS (hdqrs., Mandan, N. Dak.).
John M. Stephens, B. S., *Prin. Agr. and Supvr., Northern group.*
NORTHERN FIELD STATIONS (hdqrs., Mandan, N. Dak.).—Continued.
Colorado—Akron:
Joseph F. Brandon, B. S., *Assoc. Agron., Supt.*
Montana:
Havre—
George W. Morgan, B. S., *Assoc. Agron., Supt.*
Huntley—
Arthur E. Seamans, B. S., *Assoc. Agron.*
Moccasin—
John E. Norton, B. S., M. S., *Agt., Supt.*
Nebraska—North Platte:
Leslie L. Zook, B. S., *Assoc. Physiol.*
Harry E. Weakly, B. S., *Jr. Agron.*
North Dakota:
Dickinson—
Leroy Moomaw, B. S., *Assoc. Agron., Supt.*
Mandan (hqrs. of Supvr., Northern group)—
William P. Baird, B. S., *Assoc. Hort.*
Johnson T. Sarvis, B. S., M. S., *Assoc. Agron.*
John C. Thysell, B. S., *Assoc. Agron.*
Thomas K. Killand, *Sr. Sci. Aid.*
Ernest J. George, B. S., *Agt.*
Oregon—Pendleton:
David E. Stephens, B. S., *Sr. Agron., Supt.*
George A. Mitchell, B. S., *Asst. Agron.*
South Dakota:
Ardmore—
Oscar R. Mathews, B. S., M. S., *Assoc. Agron., Supt.*
Verner I. Clark, *Sci. Aid.*
Newell—
Albert Osenbrug, B. S., *Assoc. Agron., Supt.*
Wyoming:
Archer—
August L. Nelson, B. S., M. S., *Assoc. Agron., Supt.*
Sheridan—
Ray S. Towle, B. S., *Assoc. Agron., Supt.*
Ralph M. Williams, B. S., *Jr. Agron.*
SOUTHERN FIELD STATIONS (hdqrs., Woodward, Okla.).
Ellery F. Chilcott, B. S., *Sr. Agr. and Supvr., Southern group.*
Kansas:
Colby—
Embert H. Coles, B. S., *Assoc. Agron., Supt.*
Joseph B. Kuska, B. S., *Assoc. Agron.*
Garden City—
Richard L. von Trebra, B. S., *Agt.*
Hays—
Alanson L. Hallsted, B. S., *Assoc. Agron.*
Arthur E. Mortensen, B. S., M. S., *Agt.*
New Mexico—Tucumcari:
Donald R. Burnham, B. S., *Assoc. Agron., Supt.*
Oklahoma:
Lawton—
Walter M. Osborn, B. S., *Assoc. Agron., Supt.*
Woodward (hdqrs. of supvr., Southern group)—
Lowell F. Locke, B. S., *Assoc. Hort.*
Harry J. Clemmer, B. S., *Assoc. Agron.*
Ivan A. Lucas, *Agt.*
Texas:
Big Spring—
Fred E. Keating, B. S., *Assoc. Agron., Supt.*
Dalhart—
Benjamin F. Barnes, B. S., *Agt., Supt.*

EGYPTIAN COTTON BREEDING

T. H. Kearney, LL. D., *Prin. Physiol., in charge.*

Egyptian Cotton Breeding Investigations.

FIELD STATION.

Arizona—Sacaton:

George J. Harrison, *Associate Agronomist.*

Harold J. Fulton, *Assistant Agronomist.*

FIBER PLANTS

Lyster H. Dewey, B. S., *Sr. Bot., in charge.*

H. T. Edwards, B. S., *Sr. Technol.*

FIELD HEADQUARTERS.

Michigan—East Lansing:

Brittain B. Robinson, B. S., M. S., *Asst. Pl. Breeder.*

Porto Rico—Mayaguez:

Rafael Vidal, *Agt.*

Wisconsin—Madison:

A. H. Wright, B. S., M. S., *Agt.*

FORAGE CROPS AND DISEASES

Russell A. Oakley, B. S., D. Sc., *Prin. Agron., in charge.*

Adrian J. Pieters B S.. Ph. D., *prin. Agron., acting in charge.*

Clovers and Clover-like Legumes, Green Manure, and Cover Crops.

Adrian J. Pieters, B. S., Ph. D., *Prin. Agron.*

Eugene A. Hollowell, B. S., M. S., Ph. D., *Agron.*

Sorghums, Southern Pastures and Grasses.

Harry N. Vinall, B. S., M. S., *Sr. Agron.*

Mason A. Hein, B. S., M. S., *Asst. Agron.*

Soybeans, Cowpeas, and Miscellaneous Legumes.

William J. Morse, B. S., *Sr. Agron.*

Alfalfa, Silage, and Root Crops.

Harvey L. Westover, B. S., *Sr. Agron.*

Vetches, Bur Clovers, and Crotalarias.

Roland McKee, B. S., M. S., *Sr. Agron.*

Sweetclover and Crimson Clover.

Leonard W. Kephart, B. S., *Sr. Agron.*

Northern Pastures and Fine Turf.

Russell A. Oakley, B. S., D. Sc., *Prin. Agron.*

Charles R. Enlow, B. S., M. S., *Assoc. Agron.*

Acid Tolerant Legumes.

Adrian J. Pieters, B. S., Ph. D., *Prin. Agron.*

Roland McKee, B. S., M. S., *Sr. Agron.*

Leafhopper Investigations.

Howard W. Johnson, B. S., M. S., Ph. D., *Assoc. Path.*

Arlington Farm Grass Garden and Greenhouse Work.

Percy L. Ricker, B. S., M. S., *Asst. Bot.*

Seed Storage and Shipment.

Fred C. Hall, *Sr. Sci. Aid.*

Field Stations.

Maryland—Beltsville:

Herbert L. Wilkins, B. S., M. S., *Asst. Chem.* (*Pasture Inves.*).

South Dakota—Redfield:

Samuel Garver, B. S., *Assoc. Agron., in charge.*

Virginia—Rosslyn:

Charles W. Lee, *Sci. Aid, Asst. in field activ.*

Anselm T. Stone, *Sci. Aid, Asst. in field activ.*

Field Stations (Coop.).

California—Riverside:

James L. Weimer, A. M., Ph. D., *Sr. Path.* (*Alfalfa diseases*).

Florida—Gainesville:

George E. Ritchey, B. S., M. S., *Agt. in charge.*

Georgia—Tifton:

James L. Stephens, B. S., *Agt. in charge.*

Iowa—Ames:

F. Scott Wilkins, B. S., M. S., *Agt., in charge.*

Kansas:

Hays—

David A. Savage, B. S., *Asst. Agron., in charge.*

Manhattan—

Clarence O. Grandfield, B. S., M. S., *Agt., in charge.*

Michigan—Augusta:

A. B. Dorrance, B. S., *Agt., in charge.*

Mississippi:

Stoneville—

Paul R. Henson, B. S., *Agt., in charge.*

West Point—

Tyler F. Akers, B. S., M. S., *Asst. Agron., in charge.*

Montana—Moccasin:

Harold E. Tower, B. S., *Agt. in charge.*

Nebraska—Lincoln:

Hewitt M. Tysdal, B. S., M. S., *Assoc. Agron., in charge.*

Ohio:

Holgate—

David Heusinkveld, B. S., M. S., *Jr. Agron., of field activ.*

Jackson L. Cartter, B. S., M. S., *Agt.* (*soybean inves.*).

North Ridgeville—

Morgan W. Evans, B. S., M. S., *Assoc. Agron., in charge.*

Oregon—Corvallis:

Harry A. Schoth, B. S., M. S., *Assoc. Agron., in charge.*

Pennsylvania—Kylertown:

Guy C. Fuller, B. S., *Agt., in charge.*

South Carolina—Columbia:

Addison S. Laird, B. S., M. S., *Agt., in charge.*

Texas—Chillicothe:

Joseph C. Stephens, B. S., M. S., *Asst. Agron.*, in charge.

Washington—Pullman:

Edwin G. Schafer, B. S., M. S., *Agt., in charge.*

West Virginia—Morgantown:

Robert R. Robinson, *Agt., in charge.*

Wisconsin—Madison:

Fred R. Jones, B. S., Ph. D., *Sr. Path.* (*alfalfa and other forage plant diseases*).

FOREIGN PLANT INTRODUCTION

Knowles A. Ryerson, B. S., M. S., *Prin. Hort., in charge.*

B. Y. Morrison, B. S., M. L. A., *Sr. Hort.*

Foreign Explorations.

David Fairchild, M. S., D. Sc., *Prin. Agr. Expl.*

P. H. Dorsett, B. Agr., *Sr. Hort.*

W. E. Whitehouse, B. S., M. S., Ph. D., *Hort.*

Foreign Explorations—Continued.
FIELD HEADQUARTERS:
China—Yunnan:
Joseph F. Rock, *Collab.*
France—Nice:
A. Robertson Proschowsky, M. D., *Collab.*
New York—New York:
A. V. Armour, *Collab.*

Experimenters' Service.
B. T. Galloway, B. Agr. Sc., LL. D., D. Agr., *Prin. Path.*
R. A. Young, *Assoc. Hort.*
H. C. Skeels, B. S., *Assoc. Bot.*
J. C. Long, *Jr. Pom.*
W. R. Poore, *Foreman Gardener*
E. C. Rittue, *Head Gardener.*
Mabel Yates,* *Asst. Sci. Aid.*
FIELD HEADQUARTERS:
Arizona—Superior:
F. J. Crider, *Collab.*
California—Chico:
J. E. Morrow, *Supt.*
B. D. Douglas, *Sr. Pl. Prop.*
C. H. Jackson, *Sr. Pl. Prop.*
Henry Klopfer, *Sr. Sci. Aid.*
D. M. Wallen, *Jr. Sci. Aid.*
Florida:
Callahan—
Ernest Petree, *Collab.*
Coconut Grove—
Edward Simmonds, *Prin. Sci. Aid.*
T. A. Fennell, *Asst. For. Plt. Intro. Aid.*
Little River—
Charles T. Simpson, *Collab.*
Naples—
H. Nehrling, *Collab.*
Georgia—Savannah:
David A. Bisset, *Chief Sci. Aid.*
Maryland—Glenndale:
H. A. Gunning, B. S., *Assoc. Hort., Supt.*
C. C. Thomas, A. B., M. S., *Hort.*
Edward Goucher, *Chief Pl. Prop.*
A. W. Close, *Prin. Sci. Aid.*
V. M. Maroukian, *Head Gardener.*
J. W. Mullican, *Head Gardener.*
M. J. Souviron, *Asst. Sci. Aid.*
Massachusetts—Jamaica Plain:
E. H. Wilson, A. M., *Collab.*

Plant Geography in Relation to Plant Industry.
C. O. Erlanson, B. S., M. A., Ph. D., *Assoc. Ecol.*
Paul G. Russell, B. A., M. S., *Asst. Bot.*

FOREST PATHOLOGY

Haven Metcalf, A. B., A. M., Ph. D., *Prin. Path., in charge.*
R. Kent Beattie, A. B., B. S., A. M., *Prin. Path.*
Carl Hartley, A. B., A. M., Ph. D., *Prin. Path.*
G. F. Gravatt, B. S., M. S., *Sr. Path.*
G. G. Hedgcock, B. S., A. M., Ph. D., *Sr. Path.*
J. L. Bedwell, B. S., M. S., *Assoc. Path.*
Annie R. Gravatt,* A. B., M. S., *Assoc. Path.*
Ruby J. Acree,* *Jr. Path.*
Russell B. Clapper, *Sr. Sci. Aid.*
Marvin E. Fowler, A. B., *Asst. Sci. Aid.*
FIELD HEADQUARTERS:
California—San Francisco:
E. P. Meinecke, Ph. D., *Prin. Path.*
Willis W. Wagener, A. B., M. S., *Path.*
Ernest Wright, B. F., M. S., *Jr. Path.*
Connecticut—New Haven:
Glen G. Hahn, B. S., M. S., Ph. D., *Path.*
Rush P. Marshall, B. S., M. S., Ph. D., *Assoc. Path.*
Theodore T. Ayers, B. S., A. M., Ph. D., *Agt.*
Louisiana—New Orleans:
Paul V. Siggers, B. S., M. S., *Assoc. Path.*
Ralph M. Lindgren, B. S., M. S., *Asst. Path.*
Theo. C. Schefler, B. F., M. S., *Agt.*
Massachusetts—Amherst:
Perley Spaulding, B. S., M. S., Ph. D., *Sr. Path.*
New Mexico—Albuquerque:
W. H. Long, A. M., Ph. D., *Sr. Path.*
Bessie E. Futrell,* *Sci. Aid.*
North Carolina—Asheville:
R. M. Nelson, B. S., M. S., Ph. D., *Asst. Path.*
Oregon—Portland:
H. G. Lachmund, A. B., *Path.*
J. R. Hansbrough, Ph. B., A. M., *Asst. Path.*
J. L. Mielke, B. F., *Asst. Path.*
Thomas W. Childs, *Agt.*
Thomas S. Buchanan, *Agt.*
Pennsylvania—Philadelphia:
Lyle W. R. Jackson, B. S., M. S., *Asst. Path.*
Rhode Island—Providence:
J. Franklin Collins, Ph. B., *Sr. Path.*
Alma M. Waterman, A. B., A. M., Ph. D. *Asst. Path.*
M. A. McKenzie, Ph. B., A. M., *Agt.*
Blythe G. Richmond, A. B., *Agt.*
Scotland—Edinburgh:
Malcolm Wilson, B. S., D. Sc., *Spec. in For. Path.*
Washington—Northport:
G. G. Hedgcock, B. S., A. M., Ph. D., *Sr. Path.*
Wisconsin—Madison:
C. Audrey Richards, A. B., A. M., Ph. D., *Path.*
Caroline T. Rumbold, B. L., A. M., D. Oec., Ph. D., *Assoc. Path.*
Ira Hatfield, A. B., M. S., *Agt.*
Dale Chapman, B. S., *Agt.*
E. E. Seeliger, *Jr. Sci. Aid.*

GARDENS AND GROUNDS

J. Wise Byrnes, *Asst., in charge.*

HORTICULTURAL CROPS AND DISEASES

Eugene C. Auchter, B. S., M. S., Ph. D., *Prin. Hort., in Charge.*
H. P. Gould, B. S., M. S., *Sr. Pomol.*
W. W. Gilbert, B. S., M. S., *Sr. Path.*

Horticulture.
(1) Regional Development of Horticulture Industry.
L. C. Corbett, B. S., M. S., D. Agr., *Prin. Hort.*

Horticulture—Continued.

(2) Fruit and Nut Production Investigations.

John R. Magness, B. S., M. S., Ph. D., *Prin. Pomol.*

H. P. Gould, B. S., M. S., *Sr. Pomol.*

George C. Husmann, B. S., M. S., *Pomol. (grape inv.).*

Guy E. Yerkes, B. S., *Hort. (nursery stock inv.).*

Clarence A. Reed, B. S., M. H., *Assoc. Pomol. (nut culture inv.).*

I. W. Dix, *Sr. Sci. Aid (grape inv.).*

FIELD HEADQUARTERS.

California:

Fresno—

Elmer Snyder, B. S., M. S., *Assoc. Pomol. (grape inv.).*

Oakville—

Frederick L. Husmann, *Supt. (grape inv.).*

Palo Alto—

William F. Wight, B. S., A. M., *Bot. (fruit breeding).*

Lester A. Thompson, *Sr. Agr. Aid (fruit breeding).*

Riverside—

A. D. Shamel, B. S., *Prin. Physiol. (bud selection).*

C. S. Pomeroy, Ph. B., B. S., *Assoc. Pomol. (bud selection).*

R. E. Caryl, B. S., M. H., *Asst. Pomol. (bud selection).*

Sacramento—

C. F. Kinman, B. S., *Pomol. (fruit production inv.).*

Milo N. Wood, B. S., M. S., *Pomol. (nut culture inv.).*

Shafter—

Leo B. Scott, B. S., *Sr. Pomol. (nursery stock inv.).*

Frank N. Harmon, B. S., M. A., *Jr. Pomol. (bud selection).*

Georgia:

Albany—

Harley L. Crane, B. S., M. S., Ph. D., *Hort. (nut culture inv.).*

Alton H. Finch, B. S., M. S., Ph. D., *Asst. Hort. (nut culture inv.).*

Atherton C. Gossard, B. S., M. S., *Asst. Pomol. (nut culture inv.).*

Louisiana:

Robson—

J. L. Pelham, B. S., *Assoc. Pomol. (nut culture inv.).*

Shreveport—

B. G. Sitton, B. S., M. S., *Assoc. Pomol. (nut culture inv.).*

Maryland:

College Park—

Frank E. Gardner, B. S., M. S., Ph. D., *Agt. (nursery stock inv.).*

Glenn Dale—

George M. Darrow, A. B., A. M., Ph. D., *Sr. Pomol. (small fruits).*

George F. Waldo, B. S., M. S., *Asst. Pomol. (small fruits).*

Horticulture—Continued.

(2) Fruit and Nut Production Investigation—Continued.

FIELD HEADQUARTERS—Continued.

Maryland—Continued.

Charles F. Swingle, B. S., Ph. D., *Asst. Pomol. (nursery stock inv.).*

Michigan:

South Haven—

Stanley Johnston, B. S., *Agt. (nursery stock inv.).*

North Carolina:

Raleigh—

Ivan D. Jones, A. B., *Agt. (fruit production).*

Willard—

Charles T. Dearing, B. S., *Assoc. Hort. (grape inv.).*

Oregon:

Corvallis—

Carl E. Schuster, B. S., M. S., *Hort. (nut culture inv.).*

G. Leonard Rygg, B. S., *Agt. (small fruits).*

Texas:

Austin—

H. P. Traub, B. S., M. S., Ph. D., *Hort. (nut culture inv.).*

Virginia:

Rosslyn (Arlington Exp. Farm)—

Louis O. Regeimbal, B. S., Ph. D., *Assoc. Physiol. (fruit production inv.).*

W. W. Aldrich, B. S., M. S., Ph. D., *Asst. Hort. (fruit production inv.).*

Joe R. Furr, B. S., *Asst. Hort. (fruit production inv.).*

Lewis A. Fletcher, B. S., M. S., Ph. D., *Asst. Pomol. (fruit production inv.).*

(3) Truck Crop Production Investigations.

Victor R. Boswell, B. S., M. S., Ph. D., *Sr. Hort.*

Frederick J. Pritchard, B. S., *Sr. Physiol. (vegetable breeding).*

William R. Beattie, B. S., M. S., *Sr. Hort. (vegetable extension).*

Daniel N. Shoemaker, B. S., Ph. D., *Hort. (field trials of vegetable seeds).*

S. L. Jodidi, B. S., Ph. D., *Physiol. (truck crop production inv.).*

J. H. Beattie, B. S., M. S., *Assoc. Hort. (truck crop production inv.).*

Ross C. Thompson, B. S., M. S., *Assoc. Hort. (truck crop production inv.).*

William S. Porte, B. S., *Asst. Path. (vegetable breeding).*

A. M. Jackson, *Sci. Aid. (truck crop production inv.).*

E. Q. Knight, *Sci. Aid. (field trials of vegetable seeds).*

FIELD HEADQUARTERS.

Texas—College Station:

Sidney H. Yarnell, B. S., M. S., D. Sc., *Agt. (field trials of vegetable seeds).*

Horticulture—Continued.

(3) Truck Crop Production Investigations—Con.

FIELD HEADQUARTERS—Continued.

Virginia—Rosslyn (Arlington Exp. Farm):

Arthur C. Foster, B. S., M. S., *Sr. Path.* (*truck crop production inv.*).

Gustav H. Rieman, B. S., M. S., Ph. D., *Asst. Genet.* (*vegetable breeding*).

F. Sidney Beecher, *Sci. Aid.* (*vegetable breeding*).

(4) Floriculture and Landscape Gardening Investigations.

F. L. Mulford, B. S., in Agr., *Assoc. Hort.*

D. V. Lumsden, B. S., *Jr. Hort.*

FIELD HEADQUARTERS.

Maryland—Glenndale:

B. Y. Morrison, *Sr. Hort. Coop. Office Foreign Plant. Int.*

Martin Bilon, *Head Gardener.*

(5) Bulb Culture Investigations.

David Griffiths, B. S., M. S., Ph. D., *Sr. Hort.*

FIELD HEADQUARTERS.

Washington—Bellingham:

B. L. Peters, *Sr. Sci. Aid.*

Howard A. Houser, *Sci. Aid.*

(6) Fruit and Vegetable Utilization.

C. A. Magoon, A. B., Ph. D., *Bact.*

B. C. Brunstetter, B. A., M. S., Ph. D., *Assoc. Biochem.*

Helen F. Smart*, A. B., *Asst. Path.*

FIELD HEADQUARTERS.

Virginia—Rosslyn (Arlington Exp. Farm):

J. S. Caldwell, A. B., A. M., Ph. D., *Sr. Physiol., in charge.*

C. W. Culpepper, B. S., M. S., *Physiol.*

H. H. Moon, B. S., *Jr. Pomol.*

(7) Fruit and Vegetable Handling, Transportation, and Storage Investigations.

Durward F. Fischer, B. S., M. H., *Prin. Hort.*

Dean H. Rose, A. B., M. A., Ph. D., *Sr. Physiol.*

R. C. Wright, B. S., M. S., *Physiol.*

John I. Lauritzen, B. S., Ph. D., *Path.*

A. G. Galloway, *Assoc. Tech.*

Mark H. Haller, B. S., M. S., *Asst. Pomol.*

A. F. Wahlstrom, *Draftsman.*

FIELD HEADQUARTERS.

California:

Fresno—

W. T. Pentzer, B. S., M. S., *Asst. Physiol.*

C. E. Asbury, B. S., M. S., *Jr. Pomol.*

Lamanda Park—

Wm. R. Barger, B. S., *Assoc. Physiol.*

J. C. Moore, B. S., M. S., *Jr. Physiol.*

James G. Gray, Jr., B. S., *Jr. Pomol.*

Los Angeles—

C. W. Mann, B. S., *Sr. Pomol.*

Wm. C. Cooper, B. S., *Jr. Pomol.*

Horticulture—Continued.

(7) Fruit and Vegetable Handling, Transportation, and Storage Investigations—Con.

FIELD HEADQUARTERS—Continued.

Virginia-Rosslyn (Arlington Exp. Farm):

John R. Winston, B. S., M. S., *Sr. Hort.*

Paul L. Harding, B. S., M. A., Ph. D., *Asst. Hort.*

Jacob M. Lutz, B. S., *Jr. Physiol.*

T. M. Whiteman, B. S., *Jr. Hort.*

R. L. Newton, *Prin. Mech.*

E. A. Gorman, *Sci. Aid.*

Lacy McCulloch, *Asst. Sci. Aid.*

Washington:

Wenatchee—

H. C. Diehl, B. S., *Assoc. Physiol.*

B. D. Ezell, B. S., M. S., *Asst. Hort.*

Yakima—

A. L. Ryall, B. S., M. S., *Asst. Pomol.*

Earl D. Mallison, B. S., *Asst. Mkt. Spec.*

C. L. Powell, B. S., *Jr. Physiol.*

(8) Potato Investigations.

William Stuart, B. S., M. S., D. Sc., *Sr. Hort.*

W. M. Peacock, B. S., M. S., *Assoc. Hort.*

FIELD HEADQUARTERS.

Colorado—Greeley:

W. C. Edmundson, B. S., M. S. *Hort.*

Maine—Presque Isle:

P. M. Lombard, B. S., *Assoc. Hort.*

C. F. Clark, B. S., M. S., Ph. D., *Assoc. Hort.*

Minnesota:

St. Paul—

R. M. Bailey, B. S., M. S., *Agt.*

North Carolina:

Raleigh—

J. H. Beaumont, B. S., Ph. D., *Agt.*

(9) Central Great Plains Horticultural Field Station.

FIELD HEADQUARTERS.

Wyoming—Cheyenne:

A. C. Hildreth, B. S., Ph. D., *Agt.* (*Prin. Hort. and Supt.*).

Robert Wilson, B. S., *Assoc. Arbor.*

John L. Emerson, B. S., *Agt.* (*Shelter Belt Investigations*).

John D. Kelso, *Sr. Sci. Aid.*

Crop Physiology and Breeding.

Walter T. Swingle, B. S., M. S., D. Sc., *Prin. Physiol.*

T. Ralph Robinson, A. B., A. M., *Sr. Physiol.* (*citrus breeding and life history studies*).

Eugene May, jr., *Prin. Sci. Aid* (*citrus breeding and life history studies*).

FIELD HEADQUARTERS.

Arizona—Sacaton:

Robert H. Peebles, *Prin. Sci. Aid* (*date inv.*)

Crop Physiology and Breeding—Continued.
FIELD HEADQUARTERS—Continued.
California:
Indio—
Silas C. Mason, M. S., D. Sc., *Sr. Hort.* (date inv.).
A. J. Shamblin, *Assoc. Hort.* (*date inv.*).
Roy W. Nixon, B. S., *Assoc. Hort.* (*date inv.*).
Dewey C. Moore, *Asst. Sci. Aid* (*date inv.*).
Los Angeles—
F. A. Thackery, *Sr. Agr.* (*date inv.*).
San Francisco—
G. P. Rixford, C. E., *Assoc. Physiol.* (*Smyrna fig and pistache inv.*).
Florida—Eustis:
E. M. Savage, *Asst. Pl. Breeder* (*citrus breeding and life history studies*).
Maryland—Bethesda:
Robert J. Bullen, *Sr. Sci. Aid* (*citrus breeding and life history studies*).

Fruit and Nut Diseases.
Merton B. Waite, B. S., D. Agr., *Prin. Path.*
Charles Brooks, A. M., Ph. D., *Prin. Path.* (*fruit rots and spots inv.*).
Harry R. Fulton, A. M., *Prin. Path.* (*citrus and subtropical fruit disease inv.*).
John W. Roberts, A. M., Ph. D., *Sr. Path.* (*orchard spraying inv.*).
Neil E. Stevens, A. M., Ph. D., *Sr. Path.* (*grape and small fruit disease inv.*).
H. F. Bain, B. A., M. S., *Sr. Path.* (*grape and small fruit disease inv.*).
Eugene A. Siegler, M. S., *Path.* (*crown gall inv.*).
Nellie A. Brown, A. B., *Assoc. Path.* (*crown gall inv.*).
J. Marion Shull, *Assoc. Bot.* (*general orchard disease inv.*).
John J. Bowman, M. S., *Asst. Path.* (*citrus and subtropical fruit disease inv.*).
Erston V. Miller, B. S., M. S., Ph. D., *Asst. Physiol.* (*fruit rots and spots inv.*).
Angie M. Beckwith, A. B., *Jr. Path.* (*grape and small fruit disease inv.*).
Mary F. Morscher, B. S., *Sr. Sci. Aid* (*general orchard disease inv.*).
Marguerite S. Wilcox, *Sci. Aid.* (*grape and small fruit disease inv.*).
Ralph B. Piper, *Sci. Aid* (*crown gall inv.*)
FIELD HEADQUARTERS.
Arkansas—Fayetteville:
John C. Dunegan, B. S., *Assoc. Path.* (*orchard spraying inv.*).
Carroll S. Morrow, *Agt.* (*orchard spraying inv.*).
California—Fresno:
W. S. Ballard, A. B., *Sr. Path.* (*physiological fruit disease inv.*).
Florida—Orlando:
Harold E. Stevens, B. S. A., M. S., *Sr. Path.* (*citrus and subtropical fruit disease inv.*).
John F. Wootten, *Sr. Sci. Aid* (*citrus and subtropical fruit disease inv.*).

Fruit and Nut Diseases—Continued.
FIELD HEADQUARTERS—Continued.
Georgia:
Fort Valley—
Lee M. Hutchins, B. S., Ph. D., *Sr. Path.* (*phony peach inv.*).
Thomasville—
Juan B. Demaree, B. S., *Path.* (*pecan and other nut disease inv.*).
Howard E. Parson, B. S., M. S., *Asst. Path.* (*pecan and other nut disease inv.*).
Indiana—Vincennes:
Leslie Pierce, *Prin. Sci. Aid* (*orchard spraying inv.*).
Iowa—Ames:
Ross F. Suit, B. S., *Agt.* (*crown gall inv.*).
Louisiana—Shreveport:
John R. Cole, M. S., *Assoc. Path.* (*pecan and other nut disease inv.*).
Massachusetts—Amherst:
Herbert F. Bergman, B. S., M. S., Ph. D., *Sr. Path.* (*grape and small fruit disease inv.*).
New Jersey—Toms River:
R. B. Wilcox, M. S., *Asst. Path.* (*grape and small fruit disease inv.*).
New York—New York:
Lowell F. Butler, B. S., *Assoc. Path.* (*mkt. path. inv.*).
Cyril O. Bratley, B. S., *Asst. Path.* (*mkt. path. inv.*).
Oregon:
Corvallis—
Paul W. Miller, B. S., M. S., Ph. D., *Assoc. Path.* (*nut disease inv.*).
Hood River—
J. S. Cooley, M. S., Ph. D., *Sr. Path.* (*perennial apple canker inv.*).
Elmer V. Shear, B. S., *Agt.*, (*perennial apple canker inv.*).
Ellen D. Crew,* *Agt.* (*perennial apple canker inv.*).
J. H. Crenshaw, *Agt.* (*perennial apple canker inv.*).
Virginia—Rosslyn (Arlington Exp. Farm):
Herbert J. Dodd, *Asst. Sci. Aid* (*misc. fruit disease and breeding inv.*).
Washington—Wenatchee:
C. P. Harley, M. S., *Assoc. Physiol.* (*fruit rots and spots inv.*).
Marion C. Goldsworthy, B. S., M. S., Ph. D. *Asst. Path.* (*fruit rots and spots inv.*).
Enoch L. Reeves, B. S., *Jr. Path.* (*fruit rots and spots inv.*).
Wisconsin—Madison:
Albert J. Riker, A. B., A. M., Ph. D. *Agt.* (*crown gall inv.*).
Earl M. Hildebrand, B. S., M. S., *Agt.* (*crown gall inv.*).

Truck Crop and Ornamental Diseases.
Leonard L. Harter, A. B., M. S., Ph. D., *Sr. Path.* (*sweetpotato and bean diseases*).
Sears P. Doolittle, B. S., M. S., Ph. D., *Sr. Path.* (*Cucurbit diseases and mosaic diseases of vegetables*).

Truck Crop and Ornamental Diseases—Con.

Freeman Weiss, B. S., Ph. D., *Path.* (*diseases of ornamental plants*).

Charles Drechsler, B. S., M. S., Ph. D., *Path.* (*taxonomy of fungi*).

Lucia McCulloch, B. S., *Assoc. Path.* (*diseases of ornamental plants*).

William J. Zaumeyer, B. S., M. S., Ph. D., *Asst. Path.* (*bean diseases*).

Edgar L. Evinger, B. S., M. S., *Jr. Plant Path.* (*diseases of ornamental plants*).

W. A. Whitney, B. S., *Jr. Path.* (*sweetpotato and bean diseases*).

Lester E. Barrett, LL B , LL. M., M. P. L., *Sci. Aid* (*culture media preparation*).

C. Fred Andrus, *Asst. Sci. Aid* (*sweetpotato and bean diseases*).

FIELD HEADQUARTERS.

California:

Berkeley—

Michael Shapovalov, A. B., M. S., *Sr. Path.* (*tomato diseases*).

Chula Vista—

Ivan C. Jagger, B. S., M. S., *Sr. Path.* (*lettuce and other vegetable crop diseases*).

Norman Chandler, B. S., *Asst. Sci. Aid* (*lettuce and other vegetable crop diseases*).

Los Angeles—

Howard G. MacMillan, Ph. B., M. S., Ph. D., *Sr. Path.* (*Fusarium diseases of vegetables*).

Colorado—Greeley:

Lawrence A. Schaal, B. S., M. S., *Asst. Path.* (*potato diseases*).

Idaho—Twin Falls:

W. W. Tracy, B. S., *Assoc. Hort.* (*curly top diseases of vegetables*).

Illinois—Chicago:

Glen B. Ramsey, A. B., A. M., Ph. D., *Sr. Path.* (*market pathology*).

Alice A. Bailey,* B. S., M. S., *Asst. Path.* (*market pathology*).

Maine—Presque Isle:

Eugene S. Schultz, B. S., M. S., Ph. D., *Sr. Path.* (*potato diseases and curly top of vegetables*).

Walter P. Raleigh, B. S., Ph. D., *Agent* (*potato diseases*).

New York—Ithaca:

Philip Brierley, A. B., M. S., *Asst. Path.* (*diseases of ornamental plants*).

D. B. Creager, B. S., M. S., *Agt.* (*diseases of ornamental plants*).

Oregon—Corvallis:

Theodore P. Dykstra, B. S., M. S., *Asst. Path.* (*potato diseases*).

F. P. McWhorter, B. S., M. S., Ph. D., *Agt.* (*diseases of ornamental plants*).

Horace A. Millsap, *Agt.* (*diseases of ornamental plants*).

Virginia—Rosslyn (Arlington Exp. Farm):

H. B. Walker, *Under Scien. Helper.*

Wisconsin—Madison:

John C. Walker, B. S., M. S., Ph. D., *Agt.* (*onion and cabbage diseases*).

Lester M. Blank, B. A., M. S., Ph D., *Asst. Path.* (*onion and cabbage diseases*).

Plant Physiology.

Frank L. Goll, *Sr. Physiol.*

H. Hasselbring, Ph. D., *Physiol.*

K. S. Markley, B. S., M. S., Ph. D., *Assoc. Biochem.*

Pathological Laboratory.

Mary K. Bryan, A. B., *Assoc. Path.*

Florence Hedges, A. B , *Assoc. Path.*

Lillian C. Cash, A. B., *Asst. Path.*

Edna H. Fawcett, B. L., *Asst. Path.*

Agnes J. Quirk, *Sr. Sci. Aid.*

MYCOLOGY AND DISEASE SURVEY

Cornelius L. Shear, B. S., A. M., Ph. D., *Prin. Path., in charge.*

Mycological Collections.

John A. Stevenson, B. S., *Sr. Mycol., in charge.*

Vera K. Charles, A. B., *Assoc. Path.*

William W. Diehl, M. S., *Assoc. Path.*

Anna E. Jenkins, B. S., M. S., Ph. D., *Assoc. Path.*

Edmund B. Lambert, B. S., M. S., Ph. D., *Assoc. Path.*

Edith K. Cash, A. B., *Asst. Path.*

Ross W. Davidson, Sc. B., *Jr. Mycol.*

Harriet M. Daly,* *Asst. Sci. Aid.*

Leston R. Fate, B. S., *Asst. Sci. Aid.*

Virginia C. Marquette, *Jr. Lib. Asst.*

Josie B. Dishman,* *Jr. Sci. Aid.*

Edna Ermold, A. B., *Jr. Sci. Aid.*

Plant Disease Survey.

———, *Path., in charge.*

———, *Asst. Path.*

G. Hamilton Martin, B. S. F., M. S., *Asst. Path.*

Jessie I. Wood, A. B., A. M., *Asst. Path.*

Nellie W. Nance, *Sr. Sci. Aid.*

NATIONAL ARBORETUM

Frederick V. Coville, B. A., D. Sc., *Prin. Bot., acting director.*

NEMATOLOGY

N. A. Cobb, B. S., Ph. D., *Prin. Nematol., in charge.*

Free-Living, Plant-Infesting, and Insect-Infesting Nemas.

G. Steiner, B. S., M. A., Ph. D., *Sr. Nematol.*

Edna M. Buhrer, A. B., *Jr. Nematol.*

Corinne Cooper, A. B., *Jr. Nematol.*

Helen H. Swanger, A. B., *Jr. Nematol.*

Grace W. Sherman, A. B., *Jr. Nematol.*

Charles B. Bateman, *Sr. Lab. Mech.*

Martin L. Harrison, *Sr. Lab. Mech.*

Florence E. Albin,* *Jr. Sci. Aid.*

Civella A. Brooks,* *Jr. Sci. Aid.*

Margaret N. Corder, *Jr. Sci. Aid.*

Josephine F. Danforth,* *Sci. Illustr.*

Eunice R. Harveycutter,* *Jr. Sci. Aid.*

FIELD HEADQUARTERS.

Utah—Salt Lake City:

Gerald Thorne, B. S., M. A., *Assoc. Nematol.*

Virginia—East Falls Church:

J. R. Christie, B. S., M. S., *Assoc. Nematol.*

Mary L. Crossman, A. B., M. A., *Jr. Nematol.*

Rowena E. Radcliff, B. S., *Jr. Nematol.*

PHONY PEACH ERADICATION

Directed by Assoc. Chief of Bureau.
FIELD HEADQUARTERS.
Georgia—Fort Valley:
William F. Turner, B. S., *Agent.*
Blish Breland, B. S., *Agent.*
W. J. Braddy, *Agt.*
Mathias A. Burch, *Agt.*
William D. Murray, *Agt.*
Paul W. Chapman, *Agt.*
Jonathan N. Rumph, *Agt.*
Julian E. Smith, *Agt.*
Joseph T. Stewart, *Agt.*
Dewey L. Varmette, *Prin. Sci. Aid.*
John B. Williams, B. S., *Agt.*

SEED LABORATORY

Edgar Brown, Ph. B., *Prin. Bot., in charge.*

Seed Testing.
Eben H. Toole, A. M., Ph. D., *Assoc. Physiol.*
F. H. Hillman, M. S., *Assoc. Bot.*
Emma F. Sirrine, M. S., *Assoc. Bot.*
Alice M. Andersen, B. M., A. B., A. M., *Jr. Physiot.*
C. Christine Thygeson, B. S., *Jr. Bot.*
Nelle B. Wilkinson, Ph. B., *Jr. Bot.*
Albina F. Musill, A. B., *Jr. Bot.*

Federal Seed Act.
Willard L. Goss, B. S., LL. B., *Assoc. Bot.*
Alma L. Eggleston,* B. S., *Jr. Bot.*
Vivian Kearns, A. B., *Jr. Bot.*
Lucile Sharpe, A. B., *Jr. Bot.*
Glenn E. Stancliff, *Asst. Sci. Aid.*

Field Laboratories.
California—Sacramento:
Grace M. Cole, A. B., *Asst. Bot.*
Indiana—Lafayette:
Regina B. Schulte, A. B., *Asst. Bot.*
Missouri—Columbia:
Clara Fuhr, B. S., M. S., *Asst. Bot.*
Oregon—Corvallis:
Leatha D. Bunting, A. B., A. M., *Jr. Bot.*

SUGAR PLANTS

E. W. Brandes, M. S., Ph. D., *Prin. Path., in charge.*
Ernst Artschwager, B. S., Ph. D., *Path.*
————, *Path.*
H. B. Cowgill, B. A., M. S. A., *Assoc. Agron.*
Ruth C. Starett,*A. B., M. A., *Asst. Cytol.*
James F. Brewer, Bot., *Artist.*
H. A. Kuyper, *Prin. Translator.*

Sugar-Beet Investigations.
G. H. Coons, A. M., Ph. D., *Prin. Path.*
(1) Sugar-Beet Pathology.
G. H. Coons, A. M., Ph. D., *Prin. Path.*
J. E. Kotila, B. S., M. S., Ph. D., *Path.*
H. A. Elcock, B. S., M S., *Asst. Path.*
(2) Sugar-Beet Agronomy.
A. W. Skuderna, B. S., *Prin. Agron.*
(3) Curly-Top Investigations.
Eubanks Carsner, B. A., M. S., Ph. D., *Sr. Path.*
FIELD HEADQUARTERS.
California:
Davis—
————, *Assoc. Agron.*

Sugar-Beet Investigations—Continued.
(3) Curly-Top Investigations—Continued.
FIELD HEADQUARTERS—Continued.
California—Continued.
Riverside—
Eubanks Carsner, B. S., M. S., Ph. D., *Sr. Path.*
N. J. Giddings. B. S., M. S., Ph. D., *Sr. Path.*
C. W. Bennett, B. S., M. S., Ph. D., *Path.*
J. M. Fife, B. S., M. A., Ph. D., *Biochem.*
Charles Price, B. S., *Assoc. Agron.*
C. F. Lackey, B. S., *Asst. Path.*
Albert Ballard, *Sci. Aid.*
Colorado:
Fort Collins—
Dewey Stewart, B. S., M. S., *Assoc. Path.*
Charles A. Lavis, B. S., *Assoc. Agron.*
H. E. Brewbaker, Ph. D., *Assoc. Agron.*
Rocky Ford—
————, *Assoc. Agron.*
John O. Gaskill, *Jr. Path.*
Idaho—Twin Falls
R. L. Piemeisel, A. B., *Physiol.*
C. E. Cormany, B. S., M. S., *Assoc. Agron.*
J. M. Wallace, B. S., M. S., Ph. D., *Assoc. Path.*
A. M. Murphy, B. S., *Sci. Aid.*
Michigan:
East Lansing—
J. G. Lill, B. S., M. S., *Assoc. Agron*
E. E. Down, B. S., *Agt.*
H. L. Kohls, B. S., M. S., *Agt.*
Minnesota—St. Paul:
F. R. Immer, B. S., M. S., Ph. D., *Assoc. Genet.*
E. L. LeClerg, B. S., M. S., *Assi. Path.*
Nebraska—Scottsbluff:
S. B. Nuckols, B. S., A. M., *Assoc. Agron.*
New Mexico—State College:
J. C. Overpeck, B. S., M. S., *Agt.*
Utah:
Logan—
Wesley Keller, B. S., *Agt.*
R. H. Daines, *Agt.*
Salt Lake City—
F. V. Owen, B. S., M. S., Ph. D., *Genet.*
L. M. Pultz, B. S., M. S., Ph. D., *Assoc. Physiol.*
F. A. Abegg, B. S., M. S., Ph. D., *Assoc. Genet.*
F. G. Larmer, B. S., M. S., *Asst. Path.*
————, *Assoc, Agron.*
————, *Sci. Aid.*
Virginia—Rosslyn (Arlington Exp. Farm):
H. W. Bockstahler, B. S., M. S., *Jr. Path.*

Sugarcane Investigations.
S. F. Sherwood, B. S., *Sr. Biochem.*
(1) Sugarcane Pathology.
R. D. Rands, B. S., M. S., Ph. D., *Sr. Path.*
Ernest Dopp, B. A., M. A., *Asst. Path.*
(2) Sugarcane Agronomy.
George Arceneaux, B. S., *Agt.*
(3) Sugarcane Breeding.
G. B. Sartoris, B. S., M. S., Ph. D., *Path.*
FIELD HEADQUARTERS.
Florida—Canal Point:
G. B. Sartoris, B. S., M. S., Ph. D., *Path.*
R. T. Gibbens, B. S., *Asst. Agron.*
J. W. Strickland, B. S., *Agt.*
C. P. Sheffield, *Agt.*
Georgia—Cairo:
B. A. Belcher, B. S., *Asst. Agron.*
Louisiana—Houma:
George Arceneaux, B. S., *Agt.*
E. V. Abbott, B. S., M. S., Ph. D., *Agt.*
E. D. Roberts, Ph. D., *Agt.*
I. E. Stokes, B. S., *Agt.*
Ralph B. Bisland, B. S., *Agt.*
————, *Asst. Path.*
Porto Rico—
Holger Johansen, B. A., *Agt.*
Virginia, Rosslyn (Arlington Exp. Farm):
Julius Matz, B. S., *Path.*
————, *Asst. Chem.*
————, *Jr. Path.*
J. E. Taylor, *Sci. Aid.*

TOBACCO AND PLANT NUTRITION

W. W. Garner, A. B., Ph. D., *Prin. Physiol., in charge.*

Cigar Filler Production Investigation (Field).
Pennsylvania—Ephrata:
Otto Olson, *Assoc. Agron.*

Flue-Cured Tobacco Production Investigations (Field).
Georgia—Tifton:
J. M. Carr, B. S., *Agt.*
North Carolina:
Oxford—
E. G. Moss, B. S., *Sr. Agron.*
Rocky Mount—
J. P. Young, *Sci. Aid.*

Burley Tobacco Production Investigations (Field).
Tennessee—Knoxville:
H. W. Jones, *Agt.*
West Virginia—Lakin:
T. C. McIlvaine, M. S., Ph. D., *Agt.*

Maryland Tobacco Production Investigations (Field).
Maryland—Upper Marlboro:
D. E. Brown, *Chief Sci. Aid.*

Dark Air-Cured Tobacco Production Investigations (Field).
Virginia—Bowling Green:
W. W. Green, *Agt.*

Tobacco-Disease Investigations (Field).
Georgia—Tifton:
John G. Gaines, B. S., M. S., *Agt.*
Massachusetts—Amherst:
C. V. Kightlinger, B. S., M. S., Ph. D., *Agt.*
Wisconsin—Madison:
James Johnson, M. S., Ph. D., *Agt.*
Isme A. Hoggan, A. B., M. S., Ph. D., *Agt.*
————, *Path.*

Physiology and Nutrition of the Tobacco Plant.
W. M. Lunn, B. S., M. S., *Assoc. Agron.*
J. E. McMurtrey, jr., B. S., M. S., *Assoc. Physiol.*
Randolph E. B. McKenney, B. S., M. S., A. M., Ph. D., *Assoc. Path.*
J. D. Bowling, jr., B. S., *Asst. Biochem.*
G. W. Harris, *Prin. Sci. Aid.*

Effect of Length of Day on Plant Growth.
H. A. Allard, B. S., *Sr. Physiol.*
C. W. Bacon, A. B., A. M., Ph. D., *Assoc. Physiol.*
R. A. Steinberg, B. S., M. A., Ph. D., *Asst. Physiol.*
FIELD HEADQUARTERS.
Virginia—Rosslyn (Arlington Exp. Farm):
A. B. Creed, *Sci. Aid.*

WESTERN IRRIGATION AGRICULTURE

C. S. Scofield, B. Agr., *Prin. Agr., in charge.*
S. H. Hastings, *Prin. Agron.*
FIELD HEADQUARTERS.
Arizona—Tucson:
J. F. Breazeale, B. S., *Sr. Biochem.*
California—Bard (U. S. Yuma Field Station):
E. G. Noble, B. S., *Assoc. Agron., Farm Supt.*
Arthur T. Bartel, B. S. *Jr. Agron.*
Riverside (Rubidoux Laboratory):
Frank M. Eaton, M. S., Ph. D., *Assoc. Physiol.*
George Y. Blair, B. S., *Jr. Pomol.*
Santa Paula (Limoneira Laboratory):
L. V. Wilcox, A. B., *Assoc. Agron.*
Vladimir P. Sokoloff, B. S., *Jr. Agron.*
Montana—Huntley:
Daniel Hansen, *Assoc. Agron., Farm Supt.*
Norman E. Lambert, *Chief Sci. Aid.*
Nebraska—Mitchell:
J. A. Holden, B. S., *Assoc. Agron., Farm Supt.*
Nevada—Fallon:
Elmer W. Knight, B. S., *Asst. Agron., Farm Supt.*
Lloyd Moon, B. S., *Sci. Aid.*
Oregon—Hermiston:
H. K. Dean, B. S., *Assoc. Agron., Farm Supt.*
South Dakota—Newell:
Beyer Aune, B. Agr., *Assoc. Agron., Farm Supt.*
Texas—San Antonio:
George T. Ratliffe, B. S., *Assoc. Agron., Farm Supt.*
Irvin M. Atkins, B. S., *Jr. Pomol.*
Washington—Prosser:
Coulsen C. Wright, B. S., *Asst. Agron.*

PLANT QUARANTINE AND CONTROL ADMINISTRATION

Lee A. Strong, *Chief.*
S. A. Rohwer, *Asst. Chief.*
B. Connor, M. C. Sc., M. L., *Bus. Mgr.*
R. C. Althouse, *Information Off.*
C. A. Locke, *Admin. Asst.*
J. E. Graf, A. B., *Prin. Ent., Bur. of Ent., Member.*
R. A. Oakley, B. S., D. Sc., *Prin. Agron., Bur. of Pl. Ind., Member.*
M. B. Waite, B. S., D. Agr., *Prin. Path., Bur. of Pl. Ind., Member.*
————, *For. Service, Member.*

FOREIGN PLANT QUARANTINES

E. R. Sasscer, B. S., M. S., *Prin. Ent., in charge.*
Geo. G. Becker, B. S., *Sr. Ent.*

Import and Permit.
N. Rex Hunt, B. S., M. S., *Sr. Path., in charge.*
C. E. Cooley, *Pl. Quar. Insp.*
David Lumsden, *Assoc. Hort.*
L. M. Scott, A. B., B. S., *Assoc. Pl. Quar. Insp.*
H. B. Shaw, *Assoc. Pl. Quar. Insp.*
J. M. R. Adams, A. B., *Asst. Pl. Quar. Insp.*
H. S. Dean, B. S., *Asst. Pl. Quar. Insp.*
Annette E. Harrell*, A. B., *Asst. Hort.*
Catherine I. Brown, *Asst., in charge of cotton records.*

Port Inspection.
F. A. Johnston, B. S., *Pl. Quar. Insp., in charge.*
H. L. Sanford, B. S., *Assoc. Ent.*
May L. Gouldman*, B. S., *Asst. Pl. Quar. Insp.*
Lusettie Blevins, A. B., A. M., *Sr. Sci. Aid.*
FIELD HEADQUARTERS.
Georgia—Savannah:
V. C. Durham, *Assoc. Pl. Quar. Insp.*
Illinois—Chicago:
H. W. Hecker, B. S., *Asst. Pl. Quar. Insp.*
Louisiana—New Orleans:
W. T. Dillard, B. S., *Pl. Quar. Insp., in charge.*
M. J. Kerr, *Asst. Pl. Quar. Insp.*
M. C. Rich, B. A., *Asst. Pl. Quar. Insp.*
W. H. Baskin, *Asst. Pl. Quar. Insp.*
U. G. Haddon, *Asst. Pl. Quar. Insp.*
J. H. Moreland, *Asst. Pl. Quar. Insp.*
J. C. Pritchett, B. S., *Jr. Pl. Quar. Insp.*
Maryland—Baltimore:
C. E. Prince, sr., *Asst. Pl. Quar. Insp., in charge.*
W. A. Ranck, B. S., *Jr. Pl. Quar. Insp.*
Massachusetts—Boston:
W. G. Bemis, B. S., *Pl. Quar. Insp., in charge.*
C. A. Davis, *Asst. Pl. Quar. Insp.*
O. A. Hardy, B. S., *Jr. Pl. Quar. Insp.*
R. W. Woodbury, B. S., *Jr. Pl. Quar. Insp.*
Michigan—Detroit:
W. W. Wood, B. S., *Asst. Pl. Quar. Insp., in charge.*
D. E. Gower, B. S., *Jr. Pl. Quar. Insp.*
Mississippi—Gulfport:
R. L. Trigg, B. S., *Asst. Pl. Quar. Insp.*
New York:
Buffalo—
W. T. Owrey, B. S., *Asst. Pl. Quar. Insp.*

Port Inspection—Continued.
New York—Continued.
New York—
W. H. Freeman, *Sr. Pl. Quar. Insp., in charge.*
H. G. Frank, B. S., *Assoc. Pl. Quar. Insp.*
W. S. Fields, B. S., *Assoc. Path.*
L. C. Griffith, B. S., *Assoc. Pl. Quar. Insp.*
R. D. Kennedy, B. S., *Assoc. Pl. Quar. Insp.*
E. Kostal, B. S., *Assoc. Pl. Quar. Insp.*
J. W. O'Brien, *Assoc. Pl. Quar. Insp.*
Ralph Shemin, B. S., *Assoc. Pl. Quar. Insp.*
H. Fox, B. S., *Asst. Pl. Quar. Insp.*
R. A. Fox, B. S., *Asst. Pl. Quar. Insp.*
F. G. Inman, B. S., *Asst. Pl. Quar. Insp.*
A. G. Lennox, B. S., M. S., *Asst. Pl. Quar. Insp.*
S. A. Mann, B. S., *Asst. Pl. Quar. Insp.*
J. H. Painter, B. S., M. S., *Asst. Pl. Quar. Insp.*
K. F. Petsch, B. S., *Asst. Pl. Quar. Insp.*
G. A. Samouce, B. S., *Asst. Pl. Quar. Insp.*
Harry Sargent, B. S., *Asst. Pl. Quar. Insp.*
G. F. Smith, B. S., *Asst. Pl. Quar. Insp.*
R. G. Smith, B. S., *Asst. Pl. Quar. Insp.*
S. D. Whitlock, B. S., *Asst. Pl. Quar. Insp.*
C. G. Anderson, B. S., M. S., *Jr. Pl. Quar. Insp.*
A. H. Bulbulian, B. S., *Jr. Pl. Quar. Insp.*
J. C. Crawford, M. Sc., *Jr. Pl. Quar. Insp.*
R. C. Elliott, B. S., *Jr. Pl. Quar. Insp.*
O. G. Fitzgerald, B. S., M. S., *Jr. Pl. Quar. Insp.*
K. W. Holloway, B. S., *Jr. Pl. Quar. Insp.*
G. J. Nicolaides, B. S., *Jr. Pl. Quar. Insp.*
P. X. Peltier, B. S., M. S., *Jr. Pl. Quar. Insp.*
A. O. Plummer, B. S., *Jr. Pl. Quar. Insp.*

Oregon:
Astoria—
C. N. Partington, B. S., *Jr. Pl. Quar. Insp.*
Portland—
T. J. Baker, A. B., *Asst. Pl. Quar. Insp.*

Pennsylvania—Philadelphia:
Max Kisliuk, jr., B. S., M. S., *Pl. Quar. Insp., in charge.*
W. W. Chapman, B. S., *Asst. Pl. Quar. Insp.*
W. J. Ehinger, B. S., *Jr. Pl. Quar. Insp.*
J. A. Ramos, B. S., *Jr. Pl. Quar. Insp.*
A. B. Wells, B. A., B. S., *Jr. Pl. Quar. Insp.*

South Carolina—Charleston:
Geraldus Gay, B. S., *Asst. Pl. Quar. Insp.*

Port Inspection—Continued.
Oregon—Continued.
Texas:
Galveston—
L. R. Dorland, B. S., *Assoc. Pl. Quar. Insp.*
Houston—
H. C. Millender, *Assoc. Pl. Quar. Insp.*
Port Arthur—
C. P. Trotter, *Asso. Pl. Quar. Insp.*
Virginia—Norfolk:
C. E. Prince, Jr., B. S., *Asst. Pl. Quar. Insp.*
Washington:
Bellingham—
W. R. Shinn, B. S., *Jr. Pl. Quar. Insp.*
Seattle—
A. G. Webb, B. S., *Pl. Quar. Insp., in charge.*
M. J. Forsell, B. S., *Asst. Pl. Quar. Insp.*
C. V. Scott, B. S., *Asst. Pl. Quar. Insp.*
E. I. Smith, B. S., *Asst. Pl. Quar. Insp.*
J. P. Young, B. S., *Jr. Pl. Quar. Insp.*

Mexican Border Inspection.
F. A. Johnston, B. S., *Pl. Quar. Insp., in charge.*
FIELD HEADQUARTERS.
Arizona:
Douglas—
R. O. Collier, B. S., *Asst. Pl. Quar. Insp., in charge.*
T. A. Barnett, B. S., *Jr. Pl. Quar. Insp.*
C. N. Gilmer, B. S., *Jr. Pl. Quar. Insp.*
J. N. Smith, B. S., *Jr. Pl. Quar. Insp.*
Naco—
W. J. Douglass, B. S., *Jr. Pl. Quar. Insp., in charge.*
Raphiel E. Herndon, B. S., *Jr. Pl. Quar. Insp.*
Nogales—
C. E. Bellis, B. S., *Assoc. Pl. Quar. Insp. in charge.*
R. A. Rodgers, *Asst. Pl. Quar. Insp.*
O. L. Cook, B. S., *Jr. Pl. Quar. Insp.*
E. C. Harrison, Jr., B. S., *Jr. Pl. Quar. Insp.*
G. C. Martin, Jr., B. S., *Jr. Pl. Quar. Insp.*
W. B. R. Stromberg, B. S., *Jr. Pl. Quar. Insp.*
E. V. Truesdale, B. S., *Jr. Pl. Quar. Insp.*
C. H. Wallis, B. S., *Jr. Pl. Quar. Insp.*
R. C. Watson, *Jr. Pl. Quar. Insp.*
R. F. Wilbur, B. S., *Jr. Pl. Quar. Insp.*
California:
Calexico—
O. A. Pratt, B. A., *Assoc. Pl. Quar. Insp., in charge.*
H. W. Capps, B. S., *Jr. Pl. Quar. Insp.*
T. P. Chapman, B. S., *Jr. Pl. Quar. Insp.*
San Ysidro—
Leroy Schoening, B. S., *Asst. Pl. Quar. Insp., in charge.*
J. F. Altstaetter, B. S., *Jr. Pl. Quar. Insp.*
New Mexico—Columbus:
L. A. Roberts, B. S., *Jr. Pl. Quar. Insp.*
Texas:
Brownsville—
O. D. Deputy, B. S., *Pl Quar. Insp., in charge.*
F. E. Swan, B. S., *Asst. Pl. Quar. Insp.*

Mexican Border Inspection—Continued.
FIELD HEADQUARTERS—Continued.
Texas—Continued.
Brownsville—Continued.
H. E. Burgess, B. A., *Jr. Pl. Quar. Insp.*
G. F. Callaghan, B. S., *Jr. Pl. Quar. Insp.*
R. T. Kyzar, B. S., *Jr. Pl. Quar. Insp.*
M. S. Mirimanian, *Jr. Pl. Quar. Insp.*
C. W. Shockley, B. S., *Jr. Pl. Quar. Insp.*
J. D. Smith, B. S., *Jr. Pl. Quar. Insp.*
P. L. Zibell, B. S., *Jr. Pl. Quar. Insp.*
Del Rio—
H. M. Cely, B. S., *Asst. Pl. Quar. Insp., in charge.*
Jas. W. Stanton, B. S., *Jr. Pl. Quar. Insp.*
Eagle Pass—
J. B. R. Leary, B. S., *Assoc. Pl. Quar. Insp., in charge.*
M. M. Richardson, *Asst. Pl. Quar. Insp.*
G. H. Russell, *Asst. Pl. Quar. Insp.*
R. R. Roberts, B. S., *Jr. Pl. Quar. Insp.*
J. T. Watt, B. S., *Jr. Pl. Quar. Insp.*
El Paso—
T. A. Arnold, B. S., *Assoc. Pl. Quar. Insp., in charge.*
C. P. Daley, B. S., *Asst. Pl. Quar. Insp.*
A. H. Greer, B. S., *Asst. Pl. Quar. Insp.*
R. A. Alexander, B. S., *Jr. Pl. Quar. Insp.*
A. E. Archer, B. S., *Jr. Pl. Quar. Insp.*
H. R. Conway, B. S., *Jr. Pl. Quar. Insp.*
W. A. Harvison, B. S., *Jr. Pl. Quar. Insp.*
J. R. Nichols, B. S., *Jr. Pl. Quar. Insp.*
Edward Smith, B. S., *Jr. Pl. Quar. Insp.*
E. K. Vaughan, B. S., *Jr. Pl. Quar. Insp.*
Fabens—
W. R. Sudduth, B. S., *Asst. Pl. Quar. Insp., in charge.*
C. F. Haller, B. S., *Jr. Pl. Quar. Insp.*
Hidalgo—
J. M. Singleton, B. S., *Asst. Pl. Quar. Insp. in charge.*
I. W. Berryhill, B. S., *Jr. Pl. Quar. Insp.*
A. L. Williamson, B. S., *Jr. Pl. Quar. Insp.*
Laredo—
V. J. Shiner, B. S., *Assoc. Pl. Quar. Insp., in charge.*
B. C. House, B. S., *Asst. Pl. Quar. Insp.*
R. C. Bondy, B. S., *Jr. Pl. Quar. Insp.*
U. R. Kuhn, B. S., *Jr. Pl. Quar. Insp.*
V. O. Miller, B. S., *Jr. Pl. Quar. Insp.*
G. A. Pfaffman, B. S., *Jr. Pl. Quar. Insp.*
B. P. Stewart, B. S., *Jr. Pl. Quar. Insp.*
M. G. Vinzant, B. S., *Jr. Pl. Quar. Insp.*
H. R. Cary, *Pr. Fumigation Mech.*
Mercedes (Thayer International Bridge)—
L. A. Frost, *Jr. Pl. Quar. Insp., in charge.*
E. P. Reagan, B. S., *Jr. Pl. Quar. Insp.*
Presidio—
R. B. Lattimore, B. S., *Asst. Pl. Quar. Insp., in charge.*
D. L. Moody, B. S., M. S., *Jr. Pl. Quar. Insp.*
Rio Grande City—
A. A. Stalmach, A. B., *Asst. Pl. Quar. Insp.*
Roma—
R. B. Haller, *Asst. Pl. Quar. Insp., in charge.*

Mexican Border Inspection—Continued.
FIELD HEADQUARTERS—Continued.
Texas—Continued.
Roma—Continued.
K. E. Miller, B. S., *Jr. Pl. Quar. Insp.*
V. L. Pearson, B. S., *Jr. Pl. Quar. Insp.*
Ysleta—
B. R. Anderson, B. S., *Asst. Pl. Quar. Insp.*
Zapata—
Geo. M. Jones, B. S., *Asst. Pl. Quar. Insp., in charge.*
E. L. Friday, B. S., *Jr. Pl. Quar. Insp.*

Hawaii Inspection.
Honolulu—
H. F. Willard, B. S., *Sr. Ent.*

Porto Rico Inspection.
Richard Faxon, B. S., *Assoc. Pl. Quar. Insp., in charge.*
Mayaguez—
A. G. Harley, B. S., *Asst. Pl. Quar. Insp.*
San Juan—
Richard Faxon, B. S., *Assoc. Pl. Quar. Insp., in charge.*
R. W. Nicaise, B. S., *Asst. Pl. Quar. Insp.*
A. S. Mills, B. S., *Jr. Pl. Quar. Insp.*

Quarantine Station, District of Columbia.
Peter Bisset, *Sr. Hort., in charge.*
Norman Perrine, Ph. C., P. D., *Assoc. Chem.*
W. B. Wood, B. S., *Chief Insp.*
R. G. Cogswell, A. B., *Asst. Pl. Quar. Insp.*
H. Y. Gouldman, B. S., *Asst. Pl. Quar. Insp.*
D. P. Limber, B. S., M. S., *Asst. Pl. Quar. Insp.*
W. I. Whiton, B. S., *Asst. Pl. Quar. Insp.*
L. L. Spessard, A. B., M. S., *Asst. Pl. Quar. Insp.*

DOMESTIC PLANT QUARANTINES

For which no separate units have been organized

S. B. Fracker, A. B., M. S., Ph. D., *Prin. Pl. Quar. Admin., in charge.*

White Pine Blister Rust.
District of Columbia—Washington:
Maude A. Thompson, *Quar. Asst.*
Washington—Spokane:
C. R. Stillinger, A. B., M. S., *Assoc. Path., in charge,* quarantine enforcement in Pacific Northwest.

Transit Inspection.
R. A. Sheals, B. S., *Assoc. Pl. Quar. Insp.*
FIELD HEADQUARTERS.
Illinois—Chicago:
J. M. Corliss, *Agent, in charge,* Central States.
Minnesota—St. Paul:
George W. Nelson, B. S., *Agent.*
Missouri—St. Louis:
Oliver J. Yoder, B. S., *Agent.*
New York—New York:
C. B. Beamer, B. S., *Agent.*

Phony Peach Disease.
FIELD HEADQUARTERS.
Georgia—Atlanta:
G. W. R. Davidson, *Agent, in charge.*

PINK BOLLWORM AND THURBERIA WEEVIL

(Hdqrs., San Antonio, Tex.)

R. E. McDonald, *Prin. Admin. Off., in charge.*
F. S. Puckett, B. S., *Sr. Admin. Off.*
G. G. Harris, B. S., *Asst. Pl. Quar. Insp.*
R. L. Tucker, B. S., *Jr. Mech. Engr.*
R. A. Vickery, B. A., M. A., *Asst. Ent.*

Arizona Eradication Work (Hdqrs., Mesa, Ariz.).
S. D. Smith, *Sr. Pl. Quar. Insp., in charge.*
W. E. Conn., B. S., *Asst. Pl. Quar. Insp.*
B. C. Graham, B. S., *Asst. Pl. Quar. Insp.*
P. L. Netterville, B. S., *Asst. Pl. Quar. Insp.*
J. D. Waugh, B. S., *Asst. Pl. Quar. Insp.*
J. I. Cowger, B. S. A., *Jr. Pl. Quar. Insp.*
J. N. Crisler, B. S., *Jr. Pl. Quar. Insp.*
Dean Dale, B. S., *Jr. Pl. Quar. Insp.*
B. B. Jones, B. S., *Jr. Pl. Quar. Insp.*
W. S. Senette, B. S., *Jr. Pl. Quar. Insp.*

Western Quarantine District (Hdqrs., El Paso, Tex.).
J. S. Brock, B. S., *Assoc. Pl. Quar. Insp., in charge*
W. E. Ayers, *Asst. Pl. Quar. Insp.*
A. C. Johnson. B. S., *Asst. Pl. Quar. Insp.*
J. B. Moore, B. S., *Asst. Pl. Quar. Insp.*
G. B. Ray, B. S., *Asst. Pl. Quar. Insp.*
W. F. Rice, *Asst. Pl. Quar. Insp.*
R. R. Rosa, B. S., *Asst. Pl. Quar. Insp.*
J. C. Woodward, B. S., *Asst. Pl. Quar. Insp.*
W. C. Baker, B. S. *Jr. Pl. Quar. Insp.*
J. A. Downs, B. S., *Jr. Pl. Quar. Insp.*
R. L. Eberhard, *Jr. Pl. Quar. Insp.*
K. A. Gallant, B. S., *Jr. Pl. Quar. Insp.*
G. F. McLain, B. S., *Jr. Pl. Quar. Insp.*
C. C. Weigle, B. S., *Jr. Pl. Quar. Insp.*

Eastern Quarantine District (Hdqrs., Big Spring, Tex.).
G. C. Bond, LL. B., *Assoc. Pl. Quar. Insp., in charge.*
G. W. Chowns, B. S., *Asst. Pl. Quar. Insp.*
L. F. Curl, B. S., *Asst. Pl. Quar. Insp.*
L. D. Harris, B. S., *Asst. Pl. Quar. Insp.*
D. M. McEachern, B. S., *Asst. Pl. Quar. Insp.*
H. B. Prickett, *Asst. Pl. Quar. Insp.*
W. B. Rogers, *Asst. Pl. Quar. Insp.*
O. L. Walton, B. S., *Asst. Pl. Quar. Insp.*
E. L. Wilde, B. S., *Asst. Pl. Quar. Insp.*
J. H. Adams, jr., B. S., *Jr. Pl. Quar. Insp.*
H. L. Alford, B. S., *Jr. Pl. Quar. Insp.*
F. D. Bittner, B. S., *Jr. Pl. Quar. Insp.*
J. M. Cobb, B. S., *Jr. Pl. Quar. Insp.*
L. B. Coffin, B. S., *Jr. Pl. Quar. Insp.*
G. L. Furr, B. S., *Jr. Pl. Quar. Insp.*
J. C. Gay, Jr., B. S., *Jr. Pl. Quar. Insp.*
H. J. Henderson, B. S., *Jr. Pl. Quar. Insp.*
A. K. Inman, B. S., *Jr. Pl. Quar. Insp.*
W. C. Maxwell, B. S., *Jr. Pl. Quar. Insp.*
G. E. Orr, B. S., *Jr. Pl. Quar. Insp.*
S. E. Poe, B. S. A., *Jr. Pl. Quar. Insp.*
W. W. Rester, B. S., *Jr. Pl. Quar. Insp.*
J. S. Smith, B. S., *Jr. Ent.*
F. M. Wilson, *Jr. Pl. Quar. Insp.*

Scouting (Hdqrs., San Antonio, Tex.).
R. W. White, B. S., *Assoc. Pl. Quar. Insp., in charge.*
F. I. Jeffrey, B. S., *Asst. Pl. Quar. Insp.*
I. B. Rutledge, B. S., *Asst. Pl. Quar. Insp.*
Ivan Shiller, B. S., M. S., *Asst. Pl. Quar. Insp.*
W. E. von Rosenberg, B. S., *Asst. Pl. Quar. Insp.*
T. R. Adkins, B. S., *Jr. Pl. Quar. Insp.*
P. C. Avery, B. S. A., M. S. A., *Jr. Pl. Quar. Insp.*
C. H. Bergeron, B. S., *Jr. Pl. Quar. Insp.*
V. Curtis, B. S. *Jr. Pl. Quar. Insp.*
W. C. Edgeworth, B. S., *Jr. Pl. Quar. Insp.*
K. R. Elliott, B. S., *Jr. Pl. Quar. Insp.*
W. T. Gurley, B. S., *Jr. Pl. Quar. Insp.*
S. P. Harrell, B. S., *Jr. Pl. Quar. Insp.*
E. Hobbs, B. S., M. S., *Jr. Pl. Quar. Insp.*
C. H. Hoult, A. B., LL. B., *Jr. Pl. Quar. Insp.*
W. T. Hunt, B. S., *Jr. Pl. Quar. Insp.*
F. V. Irvin, B. S., *Jr. Pl. Quar. Insp.*
J. H. Miller, B. S., *Jr. Pl. Quar. Insp.*
S. R. Morris, B. S., *Jr. Pl. Quar. Insp.*
C. L. Parnell, B. S., *Jr. Pl. Quar. Insp.*
J. N. Todd, B. S., M. S., *Jr. Pl. Quar. Insp.*
L. A. West, B. S., *Jr. Pl. Quar. Insp.*
J. S. Wilson, B. S., *Jr. Pl. Quar. Insp.*
J. L. Wood, B. S., *Jr. Pl. Quar. Insp.*
W. E. Gassett, *Sr. Sci. Aid.*

EUROPEAN CORN BORER

(Hdqrs.—Eastern section: Boston, Mass.; central section: So. Norwalk, Conn.; western section: Toledo, Ohio)
L. H. Worthley, *Prin. Admin. Off., in charge.*

Eastern Section.
Massachusetts—Boston:
R. S. Clifton, *Sr. Admin. Asst., in charge.*
C. W. Lewis, *Prin. Sci. Aid.*
W. J. Powers, *Field Super. in Insect Control.*

Central Section.
Connecticut—So. Norwalk:
H. N. Bartley, B. S., *Ent., in charge.*
G. P. Babson, *Prin. Field Aid.*
F. L. Fall, *Prin. Field Aid.*
M. J. Kelly, *Field Supvr. in Insect Control.*
J. S. Stockbridge, *Field Supvr. in Insect Control.*
T. M. Cannon, *Sr. Sci. Aid.*

Western Section.
Ohio—Toledo:
E. G. Brewer, *Sr. Admin. Off., in charge.*
H. C. Ameigh, *Sr. Admin. Asst.*
O. P. Norris, *Jr. Admin. Off.*
J. H. Harman, B. S., *Assoc. Ent.*
C. P. Hartley, B. S., M. S., *Asst. Agron.*
C. O. Larrabee, *Chief Field Aid.*
J. W. Enwright, *Prin. Field Aid.*
T. B. Heald, *Field Supvr. in Insect Control.*
Arthur Viall, *Field Supvr. in Insect Control.*

MOTHS

(Hdqrs., Melrose Highlands, Mass.)
A. F. Burgess, M. S., *Prin. Ent., in charge.*
S. S. Crossman, B. S., *Sr. Ent.*
H. B. Dalton, *Sr. Admin. Asst.*

Quarantine and Inspection.
J. N. Summers, B. S., Ph. D., *Admin. Off.*
F. W. Graves, jr., *Sr. Admin. Asst.*

Quarantine and Inspection—Continued.
W. J. Ahearn, *Sr. Sci. Aid.*
P. S. Coffin, *Sr. Sci. Aid.*
C. M. Emerson, *Sr. Sci. Aid.*
M. H. Feeney, *Sr. Sci. Aid.*
G. J. Galvin, *Sr. Sci. Aid.*
D. Harrington, *Sr. Sci. Aid.*
J. Keefe, *Sr. Sci. Aid.*
F. L. Keene, *Sr. Sci. Aid.*
R. W. Kennedy, *Sr. Sci. Aid.*
J. F. Keough, *Sr. Sci. Aid.*
J. F. McDevitt, *Sr. Sci. Aid.*
C. A. Manchester, *Sr. Sci. Aid.*
P. H. Meagher, *Sr. Sci. Aid.*
G. A. Miller, *Sr. Sci. Aid.*
J. F. Murray, *Sr. Sci. Aid.*
I. B. Newbegin, *Sr. Sci. Aid.*
L. H. Noble, *Sr. Sci. Aid.*
J. J. Roach, *Sr. Sci. Aid.*
W. Sarsfield, *Sr. Sci. Aid.*
A. C. Ward, *Sr. Sci. Aid.*

Scouting and Extermination.
H. L. Blaisdell, *Sr. Admin. Off.*
L. E. Gibson, *Sr. Admin. Asst.*
H. A. Ames, *Sr. Admin. Asst.*
M. J. Anderson, *Field Supvr. in Insect Control.*
F. N. Bancroft, *Field Supvr. in Insect Control.*
F. C. Flint, *Field Supvr. in Insect Control.*
F. W. Graham, *Field Supvr. in Insect Control.*
W. H. Hanley, *Field Supvr. in Insect Control.*
H. H. Harkins, *Field Supvr. in Insect Control.*
G. N. Harris, *Field Supvr. in Insect Control.*
R. M. Kittredge, *Field Supvr. in Insect Control.*
F. C. McDonough, *Field Supvr. in Insect Control.*
E. R. Manning, *Field Supvr. in Insect Control.*
W. J. Nestle, *Field Supvr. in Insect Control.*
O. C. Otis, *Field Supvr. in Insect Control.*
J. W. Regan, *Field Supvr. in Insect Control.*
F. C. Rich, *Field Supvr. in Insect Control.*
W. W. Bancroft, *Prin. Sci. Aid.*
H. N. Bean, *Prin. Sci. Aid.*
C. T. Davis, *Prin. Sci. Aid.*
C. A. McIsaac, *Prin. Sci. Aid.*
S. E. May, *Prin. Sci. Aid.*
D. G. Murphy, *Prin. Sci. Aid.*
H. I. Winchester, *Prin. Sci. Aid.*
I. L. Bailey, *Sr. Sci. Aid.*
W. A. Collins, *Sr. Sci. Aid.*

JAPANESE BEETLE

(Hdqrs., Camden, N. J.)

C. H. Hadley, B. S., *Prin. Admin. in Insect Control, in charge.*
C. W. Stockwell, *Sr. Admin. Off.*
R. W. Sherman, B. S., *Asst. Pl. Quar. Insp.*
T. C. F. Cronin, B. S., *Asst. Pl. Quar. Insp.*
V. A. Johnson, B. S., *Asst. Pl. Quar. Insp.*
F. L. O'Rourke, B. S. *Jr. Ent.*
W. C. Armstrong, *Field Supvr. in Insect Control.*
W. N. Dobbs, *Field Supvr. in Insect Control.*
F. G. Winn, *Field Supvr. in Insect Control.*
W. E. Cranston, *Agt., in charge of quar. in Del.*
J. K. Gould, *Agt., in charge of quar. in Pa.*
G. K. Handle, *Agt., in charge of quar. in N. J.*
J. P. Johnson, *Agt., in charge of quar. in Conn.*
C. H. Zimmer, *Agt., in charge of quar. in N. Y.*

MEXICAN FRUIT WORM

(Hdqrs., Harlingen, Tex.)

P. A. Hoidale, *Sr. Pl. Quar. Insp., in charge.*
M. H. Ford, B. S., *Assoc. Pl. Quar. Insp.*
K. H. Townsend, *Assoc. Pl. Quar. Insp.*
W. W. Decell, B. S., *Asst. Pl. Quar. Insp.*
W. R. Heard, B. S., *Asst. Pl. Quar. Insp.*
J. W. Patterson, B. S., *Asst. Pl. Quar. Insp.*
E. F. Pepper, B. S., *Asst. Pl. Quar. Insp.*
L. G. Plyler, B. S., *Asst. Pl. Quar. Insp.*
A. V. Smith, B. S., *Asst. Pl. Quar. Insp.*
F. O. Swan, B. S., *Asst. Pl. Quar. Insp.*
Adolph Thomae, B. S., *Asst. Pl. Quar. Insp.*
L. F. Greer, *Sr. Pl. Quar. Aid.*
G. V. Harren, *Sr. Pl. Quar. Aid.*

DATE PALM SCALE ERADICATION

(Hdqrs., Indio, Calif.)

B. L. Boyden, *Sr. Ent., in charge.*
A. J. Shamblin, *Assoc. Hort.*
A. E. Cavanagh, *Chief Sci. Aid.*
L. J. Padget, B. S., *Jr. Pl. Quar. Insp.*
J. E. Tuckett, A. B., *Jr. Pl. Quar. Insp.*
I. C. Caswell, *Sr. Sci. Aid.*
G. F. Fulkerson, *Sr. Sci. Aid.*
H. B. Ames, *Sci. Aid.*
H. E. Bronson, *Sci. Aid.*
W. N. Carl, *Sci. Aid.*
M. E. Moore, *Sci. Aid.*
C. T. Duncan, *Jr. Sci. Aid.*
C. T. Owsley, *Jr. Sci. Aid.*

Imperial Valley (Hdqrs., El Centro, Calif.).

C. T. Cordill, *Sci. Aid.*

Arizona (Hdqrs., Phoenix, Ariz.).

C. H. Rothe, B. S., *Asst. Pl. Quar. Insp., in charge.*
R. C. Dickson, A. B., *Jr. Pl. Quar. Insp.*
A. E. Frazier, B. S., *Jr. Pl. Quar. Insp.*
Drew Jorgensen, B. S., *Jr. Pl. Quar. Insp.*

MEDITERRANEAN FRUIT FLY

(Hdqrs., Orlando, Fla.)

Note.—Most of the employees on this project are carried as Agents, and only certain of those occupying administrative positions are included.

W. C. O'Kane, B. A., M. A., *Chairman, Federal Fruit Fly Board and Agent, in charge.*
W. A. McCubbin, B. A., M. A., *Sr. Admin. Off.*
H. H. Kimball, *Admin. Off.*
H. T. Cronin, *Sr. Admin. Off.*
C. M. Hunt, *Agt.*
T. A. Langford, *Agt.*
J. Thomas, *Agt.*
C. M. Fox, *Jr. Admin. Off.*
E. M. Dieffenbach, B. S., *Asst. Mech. Engr.*

District Leaders.

Inspection and Certification.

A. H. Reppard, B. S., *Agent, in chg. Dist. No. 1.*
E. R. Goldberg, *Agent, in chg. Dist. No. 2.*
R. B. Linger, *Agent, in chg. Dist. No. 3.*
A. L. Swanson, *Agent, in chg. Dist. No. 4.*
P. H. Calvin, B. S., *Agent, in chg. Dist. No. 5.*
A. T. French, *Agent, in chg. Dist. No. 6.*
C. J. Dumas, *Agent, in chg. Dist. No. 7.*
H. G. Powell, B. S., *Agent, in chg. Dist. No. 8.*
C. A. Scarborough, B. S., M. S., *Agent, in chg. Dist. No. 9.*
H. S. McClanahan, *Agent, in chg. Dist. No. 10.*
J. R. Davidson, *Agent, in chg. Dist. No. 11.*
E. P. Bates, *Agent, in chg. Dist. No. 12.*
P. R. McMullen, B. S., *Agent, in chg. Dist. No. 14.*
D. N. Reynolds, *Agent, in chg. Dist. No. 15.*
V. I. Clark, *Agent, in chg. Dist. No. 15-a.*
W. C. Nanney, B. S., *Agent, in chg. Dist. No. 16.*
W. F. Ward, B. S., M. S., *Agent, in chg. Dist. No. 17.*
J. M. Scott, *Agent, in chg. Dist. No. 18.*
T. W. Ayres, B. S., *Agent, in chg. Dist. No. 19.*
R. G. Oakley, B. S., *Agent, in chg. Dist. No. 20.*
L. S. Brunk, *Agent, in chg. Dist. No. 22.*
M. M. Brunk, *Agent, in chg. Dist. No. 23.*
T. H. Carlton, LL. B., *Agent, in chg. Dist. No. 24.*
C. E. Baggott, B. S., *Agent, in chg. Dist. No. 25.*
G. D. Barcus, *Agent, in chg. Dist. No. 26.*

Identification unit.

F. H. Benjamin, B. S., M. A., *Assoc. Pl. Quar. Insp., in charge.*
E. Rivnay, B. S., M. S., *Jr. Pl. Quar. Insp.*

Highway and Baggage inspection.

B. M. Gaddis, *Assoc. Pl. Quar. Insp., in charge.*

Quarantine Enforcement outside of Florida (Hdqrs., Wash., D. C.)

S. B. Fracker, A. B., M. S., Ph. D., *Prin. Pl. Quar. Admin., in charge.*

Supervision of Sterilization.

L. A. Hawkins, B. S., Ph. D., *Prin. Physiologist, in charge.*

Investigations.

(Work conducted in cooperation with various bureaus. For organization of work under Bureau of Entomology, see item under that Bureau.)

BUREAU OF PUBLIC ROADS

Thos. H. MacDonald, B. C. E., Dr. Engr., *Chief.*
P. St. J. Wilson, C. E., *Chief Engr.*
Carrie L. Fuller, LL. B., *Admin. Asst.*
Augusta F. Johnston, *Admin. Asst.* (*personnel*).
Hilda E. Graff,* LL. B., *Prin. Clerk, in charge mail and files section.*

DIVISION OF CONTRACTS AND LAWS

L. E. Boykin, B. S., LL. B., *Chief.*
W. J. O'Leary, LL. B., *Sr. Admin. Off.*
R. D. Lyons, B. A., LL. B., *Jr. Admin. Asst.*
E. N. Miller, LL. B., *Jr. Admin. Asst.*

DIVISION OF CONTROL

C. D. Curtiss, B. S., C. E., A. M., *Chief.*

Records Section.

C. A. Mourhess, *Sr. Stat. Analyst.*
G. M. French, B. A., *Assoc. Hwy. Econ.*

Accounting Section.

E. R. Miller, *Chief Acct.*

Equipment and Supplies.

O. Engelmann, *Admin. Off.*

DIVISION OF INFORMATION

H. S. Fairbank, C. E., *Chief.*
A. C. Rose, B. S. in C. E., *Sr. Hwy. Engr.*
R. E. Royall, B. S. in C. E., *Sr. Hwy. Engr.*
G. P. St. Clair, B. A., *Assoc. Engr. of Tests.*
Orrena L. Evans, *Asst. Libr.*
Dorothy J. Wilks,* B. S., *Jr. Libr.*

DIVISION OF MANAGEMENT

T. W. Allen, C. E., *Chief.*

Highway Construction Cost Studies.

A. P. Anderson, B. S. in C. E., *Hwy. Engr.*
W. A. Blanchette, B. S. in C. E., *Hwy. Engr.*
C. R. Rogers, B. S. in C. E., *Asst. Hwy. Engr.*
T. C. Thee, B. S. in C. E., *Asst. Hwy. Engr.*
R. S. Anderson, B. C. E., *Jr. Hwy. Engr.*
C. D. Beach, B. S. in C. E., *Jr. Hwy. Engr.*
H. K. Church, B. S. in C. E., *Jr. Hwy. Engr.*
J. B. Dalhouse, B. S. in C. E., *Jr. Hwy. Engr.*
R. W. Edwards, B. S. in C. E., *Jr. Hwy. Engr.*
F. B. Farrell, B. S. in C. E., *Jr. Hwy. Engr.*
B. M. French, B. S. in C. E., *Jr. Hwy. Engr.*
J. B. Hanson, B. C. E., *Jr. Hwy. Engr.*
R. E. Hertel, B. C. E., *Jr. Hwy. Engr.*
S. T. Hitchcock, B. S. in C. E., *Jr. Hwy. Engr.*
C. F. Izzard, A. B. in C. E., *Jr. Hwy. Engr.*
N. L. James, B. S. in C. E., *Jr. Hwy. Engr.*
F. M. Johnson, B. S. in C. E., *Jr. Hwy. Engr.*
E. H. Karrar, B. C. E., *Jr. Hwy. Engr.*
N. E. MacDougall, B. S. in C. E., *Jr. Hwy. Engr.*
G. E. Marple, B. S. in C. E., *Jr. Hwy. Engr.*
O. K. Norman, B. S. in C. E., *Jr. Hwy. Engr.*
Thurman Pryor, B. S. in C. E., *Jr. Hwy. Engr.*
R. P. Rodgers, B. S. in C. E., *Jr. Hwy. Engr.*
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C. R. Salmen, B. S. in C. E., *Jr. Hwy. Engr.*

Highway Construction Cost Studies—Continued.

R. M. Schwegler, B. S. in C. E., *Jr. Hwy. Engr.*
T. S. Stevenson, B. S. in C. E., *Jr. Hwy. Engr.*
J. F. Sullivan, B. S. in C. E., *Jr. Hwy. Engr.*
F. C. Turner, B. S. in C. E., *Jr. Hwy. Engr.*

Highway Engineering Cost Studies.

J. L. Harrison, B. S. in C. E., *Sr. Hwy. Engr.*

Highway Maintenance Cost Studies.

G. G. Clark, *Sr. Hwy. Econ.*

DIVISION OF TESTS

E. F. Kelley, C. E., *Chief.*
H. M. Milburn, B. S. in Chem. E., *Sr. Engr. of Tests.*
A. L. Gemeny, C. E., *Sr. Struc. Engr.*
L. N. Edwards, B. C. E., C. E., *Sr. Hwy. Bridge Engr.*
G. E. Ladd, A. B., A. M., Ph. D., *Assoc. Econ. Geol.*

Research on Bituminous Materials.

J. T. Pauls, B. S. in C. E., *Sr. Hwy. Engr.*
FIELD HEADQUARTERS.
Virginia—Rosslyn (Arlington Exp. Farm):
R. H. Lewis, B. S. in Chem., *Assoc. Chem.*
P. F. Critz, B. S. in C. E., *Assoc. Hwy. Engr.*
J. D. Galligan, B. S. in Chem., *Jr. Chem.*
W. O'B. Hillman, B. S. in C. E., *Jr. Hwy. Engr.*

Research on Nonbituminous Materials.

F. H. Jackson, *Sr. Engr. of Tests.*
D. O. Woolf, B. S. in C. E., *Assoc. Materials Engr.*
K. F. Shippey, B. S. in C. E., *Jr. Hwy. Engr.*
W. P. Privette, B. S. in C. E., *Jr. Hwy. Engr.*
FIELD HEADQUARTERS.
Virginia—Rosslyn (Arlington Exp. Farm):
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L. G. Carmick, B. S., *Assoc. Chem.*
W. F. Kellermann, B. S. in C. E., *Asst. Materials Engr.*
J. F. Goode, B. S. in C. E., *Jr. Hwy. Engr.*
E. A. Wilder, B. S. in C. E., *Jr. Hwy. Engr.*

Research on Road Subgrades.

C. A. Hogentogler, B. S. in C. E., *Sr. Hwy. Engr.*
FIELD HEADQUARTERS.
Virginia—Rosslyn (Arlington Exp. Farm):
I. B. Mullis, *Assoc. Engr. of Tests.*
A. Wintermyer, *Asst. Hwy. Engr.*
H. E. Wheeler, B. S. in C. E., *Jr. Hwy. Engr.*
Henry Aaron, B. S. in C. E., *Jr. Civil Engr.*
E. A. Willis, B. S. in C. E., *Jr. Civil Engr.*
C. M. Johnston, B. S. in C. E., *Jr. Civil Engr.*
F. A. Robeson, B. S. in C. E., *Jr. Hwy. Engr.*

Research on Pavement Surface and Bridge Design.
L. W. Teller, B. S. in C. E., *Sr. Engr. of Tests.*
FIELD HEADQUARTERS.
Virginia—Rosslyn (Arlington Exp. Farm):
L. L. Beebe, M. E., *Engr. of Tests.*
J. A. Buchanan, B. S. in C. E., E. M., *Assoc. Engr. of Tests.*
G. W. Davis, B. S. in C. E., *Assoc. Engr. of Tests.*
H. L. Bosley, *Asst. Materials Engr.*
C. S. Haynes, *Asst. Mech. Engr.*
E. C. Sutherland, B. S. in C. E., *Jr. Civil Engr.*
B. S. Brooks, B. E., *Jr. Hwy. Engr.*
F. W. Ervast, B. S. in C. E., *Jr. Hwy. Engr.*

Cooperative Highway Research (Field).
Iowa—Ames (Coop. with Iowa State Coll.):
T. R. Agg, B. S. in E. E., C. E., *Hwy. Research Spec.*
Maryland—Baltimore (coop. with John Hopkins Univ.):
J. T. Thompson, B. S. in E., *Hwy. Research Spec.*
Ohio—Columbus (coop. with Ohio State Univ.):
F. H. Eno, *Agent (Research Spec.)*

DIVISION OF HIGHWAY TRANSPORT

E. W. James, A. B., *Chief.*
L. E. Peabody, B. S., M. A., *Hwy. Econ.*
L. A. Abbot, S. B., *Assoc. Stat. Engr.*
T. S. Brock, *Assoc. Cartographer.*
W. G. Eliot, 3rd, A. B., A. M., *Assoc. Hwy. Econ.*
F. W. Mills, jr., *Assoc. Hwy. Engr.*
C. B. Bishop, E. E., *Asst. Hwy. Trans. Engr.*
R. A. Montgomery, *Asst. Automotive Engr.*
FIELD HEADQUARTERS.
California—San Francisco:
C. G. Morrison, B. S. in C. E., *Sr. Hwy. Engr.*
K. A. MacLachlan, B. S., *Asst. Hwy. Econ.*
Colorado—Denver:
L. S. Tuttle, B. S. in C. E., *Jr. Hwy. Engr.*
District of Columbia—Washington:
W. A. Shelton, A. M., *Sr. Trans. Econ.*
E. H. Holmes, B. C. E., *Jr. Hwy. Engr.*
Panama:
D. T. Brown, B. S. in E., *Sr. Hwy. Engr.*
T. A. Forbes, C. E., *Sr. Hwy. Engr.*
M. J. Bussard, B. S. in C. E., *Asst. Hwy. Engr.*

DIVISION OF DESIGN

————, *Chief.*
A. G. Bruce, B. S. in C. E., *Sr. Hwy. Engr., Asst. to Chief.*
L. G. Bayly, C. E., *Sr. Hwy. Engr.*
R. D. Brown, C. E., *Sr. Hwy. Engr.*
E. B. Rhine, B. S. in C. E., *Sr. Hwy. Engr.*
J. A. Sourwine, C. E., *Sr. Hwy. Engr.*
J. H. Stone, B. S. in C. E., C. E., *Sr. Hwy. Engr.*
E. J. Wakefield *Hwy. Engr.*
E. P. Shuman, C. E., *Assoc. Hwy. Engr.*
St. C. T. Thomas, *Assoc. Hwy. Engr.*
P. J. Tronson, B. S. in C. E., *Jr. Hwy. Engr.*
T. L. Ainsworth, *Chief Draftsman in charge of drafting section.*

FIELD HEADQUARTERS.
Virginia—Alexandria:
W. S. Simonson, B. S. in L. A., *Sr. Landscape Architect.*
A. C. Spann, B. S. in C. E., *Jr. Hwy. Engr.*
G. C. Holley, *Jr. Landscape Architect.*

DIVISION OF CONSTRUCTION

H. K. Bishop, C. E., *Chief.*
F. A. Nickols, B. S. in C. E., *Sr. Hwy. Engr.*
H. G. McKelvey, *Hwy. Engr.*
J. M. Marshall, B. S. in C. E., *Assoc. Hwy. Engr.*
W. T. Perkins, B. S. in C. E., *Assoc. Hwy. Engr.*
C. R. Whitaker, *Assoc. Hwy. Engr.*
R. B. Jordan, B. S. in C. E., *Asst. Hwy. Engr.*
H. A. Radzikowski, B. S. in C. E., *Jr. Hwy. Engr.*
R. P. Agnew, B. S. in C. E., *Jr. Hwy. Engr.*
T. W. Friedman, B. S. in C. E., *Jr. Hwy. Engr.*

FIELD HEADQUARTERS.
Virginia—Alexandria.
J. W. Johnson, M. E., *Prin. Hwy. Engr., in charge.*
J. B. McCord, *Hwy. Engr.*
T. A. Jones, *Asst. Hwy. Engr.*
F. W. Cron, B. S. in C. E., *Jr. Hwy. Engr.*
J. S. Biscoe, B. S. in C. E., *Jr. Hwy. Engr.*
F. I. Davidson, B. S. in C. E., *Jr. Hwy. Engr.*
P. H. Stafford, B. S. in C. E., *Jr. Hwy. Engr.*

DIVISION OF BRIDGES

O. L. Grover, B. M. E., C. E., *Chief.*
J. S. Clay, B. S. in C. E., C. E., *Sr. Hwy. Bridge Engr.*
E. C. White, B. S. in C. E., *Hwy. Bridge Engr.*
H. R. Erps, B. S. in C. E., *Assoc. Hwy. Bridge Engr.*
A. L. Googins, B. S. in C. E., *Assoc. Hwy. Bridge Engr.*
T. D. Harris, B. S. in C. E., C. E., *Assoc. Hwy. Bridge Engr.*
J. W. Courter, B. S. in C. E., *Jr. Structural Engr.*
O. M. Uhl, B. S. in C. E., *Jr. Structural Engr.*

FIELD HEADQUARTERS.
Virginia—Alexandria:
J. V. McNary, B. S., C. E., *Sr. Hwy. Bridge Engr.*
C. D. Geisler, B. S. in C. E., M. S., *Hwy. Bridge Engr.*
N. W. Morgan, B. S. in C. E., *Hwy. Bridge Engr.*
E. J. Budge, B S. in C. E., *Assoc. Hwy. Bridge Engr.*
H. J. Horan, B. S. in C. E., E. E., *Assoc. Hwy. Bridge Engr.*
R. W. James, C. E., *Assoc. Hwy. Bridge Engr.*
E. T. Larsen, C. E., *Assoc. Hwy. Bridge Engr.*
N. D. McDowell, B. S. in C. E., *Assoc. Hwy. Bridge Engr.*
M. Deuterman, B. S. in C. E., *Jr. Civil Engr.*
O. H. Lexau, B. C. E., *Jr. Structural Engr.*
L. A. McGann, B. S. in C. E , *Jr. Structural Engr.*

FIELD ORGANIZATION FOR HIGHWAY WORK—EAST

District No. 4 (Hdqrs., St. Paul, Minn.).
E. O. Hathaway, B. S. in C. E., *District Engr. in charge.*
Minnesota—St. Paul (hdqrs. for dist.):
E. O. Hathaway, B. S. in C. E., *Dist. Engr.*
A. I. Ostrander, B. S., C. E., *Sr. Hwy. Engr.*
L. J. Charles, E. of M., *Sr. Hwy. Engr.*
S. L. Taylor, C. E., *Sr. Hwy. Engr.*
W. P. Linton, B. S. in C. E., *Sr. Hwy. Bridge Engr.*
C. T. Nordstrom, B. S. in C. E., *Hwy. Engr.*
A. Seifert, C. E., M. C. E., *Hwy. Engr.*
E. C. Slocumb, B. S. in C. E., *Hwy. Engr.*
A. L. Luedke, B. S. in C. E., C. E., *Assoc. Hwy. Econ.*
F. S. Berry, B. S. in C. E., *Assoc. Hwy. Engr.*
G. E. Eldred, B. S. in C. E., *Assoc. Hwy. Engr.*
North Dakota—Bismarck:
S. R. Sharts, *Hwy. Engr.*
H. J. Taylor, B. S. in C. E., B. S. in M. E., *Assoc. Hwy. Engr.*
H. C. Beall, B. E., *Assoc. Hwy. Engr.*
South Dakota—Pierre:
R. C. Livingston, B. S. in C. E., *Sr. Hwy. Engr.*
E. G. Raynor, B. S. in C. E., *Assoc. Hwy. Engr.*

District No. 5 (Hdqrs., Omaha, Nebr.).
C. Shoemaker, C. E., LL. B., *Dist. Engr. in charge.*
Nebraska—Omaha (hdqrs. for dist.):
C. Shoemaker, C. E., LL. B., *Dist. Engr.*
G. L. Campen, *Sr. Hwy. Engr.*
M. L. Mackey, B. E., *Sr. Hwy. Engr.*
C. V. Johnson, B. S. in C. E., C. E., *Sr. Hwy. Engr.*
B. F. Taylor, B. S. in C. E., *Sr. Hwy. Engr.*
J. I. Quinn, C. E., *Sr. Hwy. Bridge Engr.*
E. L. Brown, *Hwy. Engr.*
D. D. Mickey, B. S. in C. E., *Hwy. Engr.*
S. W. O'Brien, B. S. in C. E., *Hwy. Engr.*
S. E. Sime, B. S. in C. E., *Hwy. Engr.*
C. C. Burdick, B. S. (C. E.), *Assoc. Hwy. Engr.*
George Fuller, B. S. in C. E., *Assoc. Hwy. Engr.*
W. F. Hart, B. C. E., *Assoc. Hwy. Engr.*
G. W. Loomis, B. S. in C. E., *Assoc. Hwy. Engr*
Missouri—Jefferson City:
H. H. Lotter, B. S. in C. E., C. E., *Sr. Hwy. Engr.*
C. T. McGinley, *Hwy. Engr.*

District No. 6 (Hdqrs., Fort Worth, Tex.).
C. E. Swain, Ph. B., *Dist. Engr. in charge.*
Arkansas—Little Rock:
F. D. Hudgins, B. S. in C. E., *Sr. Hwy. Engr*
H. C. Simmins, *Assoc. Hwy. Engr.*
G. A. Wilkins, B. S. in C. E., *Jr. Hwy. Engr.*
Louisiana—Baton Rouge:
M. J. Cramer, *Sr. Hwy. Engr.*
J. M. Page, *Hwy. Engr.*
L. D. Asmus, B. S. in C. E., *Assoc. Hwy. Engr.*
Oklahoma—Oklahoma City:
W. V. Smiley, B. S. in C. E., *Sr. Hwy. Engr.*
W. G. Arnold, *Assoc. Hwy. Engr.*
J. S. Logan, B. S. in C. E., *Asst. Hwy. Engr.*

District No. 6 (Hdqrs., Fort Worth, Tex.).—Con.
Texas:
Austin—
F. P. Sexton, *Hwy. Engr.*
O. B. Kercher, B. S. in C. E., *Hwy. Engr.*
E. D. Johnson, C. E., *Asst. Hwy. Engr.*
B. L. Andrews, B. S. in C. E., *Jr. Hwy. Engr.*
Fort Worth (hdqrs. for dist.)—
C. E. Swain, Ph. B., *Dist. Engr.*
J. C. Carpenter, B. C. E., *Sr. Hwy. Engr.*
H. S. Gillette, C. E., *Hwy. Engr.*
A. W. Heyer, B. S. in C. E., *Civil Engr.*
C. T. Nitteberg, B. S. in C. E., *Hwy. Bridge Engr.*
F. T. Stoddard, B. S. in M. & G., *Assoc. Hwy. Engr.*
H. P. Purington, B. S. in C. E., *Asst. Hwy. Engr.*
A. C. Taylor, B. S. in C. E., *Asst. Hwy. Engr.*
Darnall Burks, B. S. in C. E., *Jr. Hwy. Engr.*

District No. 7 (Hdqrs., So. Chicago, Ill.).
J. T. Voshell, A. B., B. S. in C. E., *Dist. Engr. in charge.*
Illinois—So. Chicago (hdqrs. for dist.):
J. T. Voshell, A. B., B. S. in C. E., *Dist. Engr.*
R. H. Harrison, B. S. in C. E., *Sr. Hwy. Engr.*
F. M. Johnson, B. S. in C. E., *Sr. Hwy. Engr.*
J. W. Moore, *Sr. Hwy. Engr.*
L. P. Scott, B. S. in C. E., *Sr. Hwy. Engr.*
F. A. Knight, B. S. in C. E., *Hwy. Engr.*
J. R. Blair, B. S. in C. E., *Assoc. Hwy. Engr.*
A. F. Haelig, B. S. in C. E., *Assoc. Hwy. Engr.*
W. C. Horton, *Assoc. Hwy. Engr.*
W. R. Woolley, B. S. in C. E., *Asst. Hwy. Engr.*
T. D. Peppard, B. S. in C. E., *Jr. Hwy. Engr.*
Kentucky—Frankfort:
M. Galbreath, B. S. in C. E., *Sr. Hwy. Engr.*
A. V. Helms, B. S. in C. E., *Assoc. Hwy. Engr.*

District No. 8 (Hdqrs., Montgomery, Ala.)
C. D. Snead, B. S. in C. E., C. E., *Acting Dist. Engr., in charge.*
Alabama—Montgomery (hdqrs. for dist.):
C. D. Snead, B. S. in C. E., C. E., *Act. Dist. Engr.*
C. E. Raynor, C. E., *Sr. Hwy. Engr.*
H. C. Wells, *Sr. Hwy. Engr.*
J. M. Angle, B. S. in C. E., C. E., *Hwy. Bridge Engr.*
C. J. daSilva, B. S. in C. E., *Civil Engr.*
C. W. DeGinther, C. E., *Assoc. Hwy. Bridge Engr.*
H. C. Headley, *Assoc. Hwy. Engr.*
W. G. White, B. S. in C. E., C. E., *Assoc. Hwy. Engr.*
B. A. Scott, C. E., *Assoc. Hwy. Engr.*
K. D. Henderly, B. S. in C. E., *Jr. Hwy. Engr.*
Florida—Gainesville:
H. J. Morrison, *Sr. Hwy. Engr.*
E. R. Epperson, B. S., *Assoc. Hwy. Engr.*
Georgia—Atlanta:
J. T. Marshall, B. S. in C. E., C. E., *Sr. Hwy. Engr.*
J. A. Reynolds, M. E. E., *Assoc. Hwy. Engr.*
Mississippi—Jackson:
F. A. Davis, B. S. in C. E., *Sr. Hwy. Engr.*
W. F. Brock, B. S. in C. E., *Assoc. Hwy. Engr.*

District No. 8 (Hdqrs., Montgomery, Ala.)—Con.
South Carolina—Columbia:
V. E. Towles, *Sr. Hwy. Engr.*
S. A. Obenshain, B. S. in C. E., C. E., *Assoc. Hwy. Engr.*
R. B. Smith, B. C. E., *Assoc. Hwy. Engr.*
Tennessee—Nashville:
J. W. Ogier, *Sr. Hwy. Engr.*
G. L. Smith, C. E., *Hwy. Engr.*

District No. 9 (Hdqrs., Troy, N. Y.).
G. H. Miller, C. E., *Dist. Engr in charge.*
Connecticut—Hartford:
W. J. Anderson, B. E., *Sr. Hwy. Engr.*
Maine—Augusta:
H. D. Fallon, C. E., *Sr. Hwy. Engr.*
F. W. Pierce, jr., B. S. in C. E., *Asst. Hwy. Engr.*
Massachusetts—Boston:
T. M. Keene, B. S. in C. E., *Sr. Hwy. Engr.*
R. E. Tribou, B. S. in C. E., *Asst. Hwy. Engr.*
New Hampshire—Concord:
J. A. Whittaker, B. S. in C. E., *Sr. Hwy. Engr.*
H. Q. Thomas, Ph. B., *Assoc. Hwy. Engr.*
New Jersey—Trenton:
J. E. Mincher, C. E., *Sr. Hwy. Engr.*
J. T. Schuyler, C. E., *Assoc. Hwy. Engr.*
New York:
Batavia—
L. F. Clark, C. E., *Assoc. Hwy. Engr.*
Montour Falls—
R. B. Everts, *Assoc. Hwy. Engr.*
Syracuse—
W. H. Snyder, C. E., *Assoc. Hwy. Engr.*
Troy (hdqrs. for dist.)—
G. H. Miller, C. E., *Dist. Engr.*
J. H. Ayres, B. S. in C. E., *Sr. Hwy. Engr.*
R. M. Bennett, C. E., *Sr. Hwy. Engr.*
H. J. Hemstreet, B. E., *Hwy. Engr.*
C. F. Bidgood, C. E., *Assoc. Hwy. Engr.*
R. S. Johnson, B. S. in C. E., *Assoc. Hwy. Bridge Engr.*
Berkeley Wright, *Assoc. Hwy. Bridge Engr.*
H. M. Smith, C. E., *Assoc. Hwy. Engr.*
A. M. Snow, C. E., *Assoc. Hwy. Engr.*
E. R. Barton, Ph. B. in C. E., *Asst. Hwy. Engr.*
L. G. Grossman, B. S. in C. E., *Asst. Hwy. Engr.*
R. T. Zeglen, B. S. in C. E., *Jr. Hwy. Engr.*
Rhode Island—Providence:
H. J. McKenney, *Hwy. Engr.*
Vermont—Montpelier:
L. H. Schwartz, *Sr. Hwy. Engr.*
E. H. Robinson, B. E., *Assoc. Hwy. Engr.*

District No. 10 (Hdqrs., Washington, D. C.).
V. M. Peirce, B. S. in C. E., *Dist. Engr. in charge.*
District of Columbia—Washington (hdqrs. for dist.):
V. M. Peirce, B. S. in C. E., *Dist. Engr.*
C. L. Brown, *Sr. Hwy. Engr.*
A. F. Gordon, *Sr. Hwy. Bridge Engr.*
B. F. Heidel, A. B., C. E., *Sr. Hwy. Engr.*
R. L. Devereaux, *Hwy. Engr.*
A. E. McClure, C. E., *Hwy. Engr.*
G. D. Ball, B. S. in C. E., *Assoc. Hwy. Engr.*
J. E. Cook, jr., B. S. in C. E., *Jr. Hwy. Engr.*

District No. 10 (Hdqrs., Washington, D. C.)—Con.
North Carolina—Raleigh:
G. T. Macnab, B. S. in C. E., *Sr. Hwy. Engr.*
A. L. Hooper, C. E., *Hwy. Engr.*
Ohio—Columbus:
M. W. Wilbur, *Sr. Hwy. Engr.*
G. J. Goehl, *Assoc. Hwy. Engr.*
I. W. Hall, *Asst. Hwy. Engr.*
August Schofer, B. E., *Jr. Hwy. Engr.*
Pennsylvania—Harrsiburg:
A. C. Rapelje, *Sr. Hwy. Engr.*
H. R. Leland, *Hwy. Engr.*
T. E. Kesting, B. S. in C. E., *Assoc. Hwy. Engr.*
Virginia—Richmond:
J. D. Fauntleroy, C. E., *Sr. Hwy. Engr.*
A. C. Dunn, C. E., *Hwy. Engr.*
West Virginia—Charleston:
Wm. Brewster, B. S., M. E., *Sr. Hwy. Engr.*
C. L. Hayward, C. E., *Assoc. Hwy. Engr.*

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L. I. Hewes, B. S., Ph. D., *Dep. Chief Engr. in charge.*

Regional Office (Hdqrs., San Francisco, Calif.).
California—San Francisco (hdqrs.):
L. I. Hewes, B. S., Ph. D., *Dep. Chief Engr.*
J. S. Bright, B. S. in C. E., *Prin. Hwy. Engr.*
B. W. Matteson, B. S., *Sr. Hwy. Engr.*
H. R. Angwin, B. S. in C. E., *Sr. Hwy. Bridge Engr.*
G. W. Mayo, B. S. in C. E., *Sr. Hwy. Bridge Engr.*
F. L. Klein, Ph. B. in C. E., *Hwy. Bridge Engr.*
E. F. Ruggles, B. S. in C. E., *Hwy. Engr.*
C. F. Dixon, *Assoc. Hwy. Engr.*
N. F. McCoy, A. B., *Assoc. Hwy. Engr.*
Hawaii—Honolulu:
E. S. Wheeler, C. E., *Prin. Hwy. Engr.*

District No. 1 (Hdqrs., Portland, Oreg.).
W. H. Lynch, C. E., *Dist. Engr. in charge.*
Montana—Missoula:
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E. M. Hulce, *Assoc. Hwy. Engr.*
B. F. Kitt, C. E., *Assoc. Hwy. Engr.*
L. F. Martin, B. S. in C. E., *Assoc. Hwy. Engr.*
R. I. Thomas, *Asst. Hwy. Engr.*
Oregon—Portland (hdqrs. for dist.):
W. H. Lynch, C. E., *Dist. Engr.*
F. E. Andrews, *Sr. Hwy. Engr.*
J. A. Elliott, A. B., B. S. in C. E., C. E., *Sr. Hwy. Engr.*
H. D. Farmer, B. S. in C. E., *Sr. Hwy. Engr.*
R. B. Wright, B. S. in C. E., *Sr. Hwy. Bridge Engr.*
L. J. Caufield, *Hwy. Engr.*
T. M. Davis, *Hwy. Engr.*
A. F. Morris, *Hwy. Engr.*
W. J. Scofield, B. C. E., *Hwy. Engr.*
C. Andersen, B. C. E., *Assoc. Hwy. Engr.*
R. N. Kellogg, B. S. in C. E., *Assoc. Hwy. Engr.*
R. B. McMinn, B. S. in E., *Assoc. Hwy. Bridge Engr.*
R. E. Merrick, *Assoc. Hwy. Engr.*
W. G. Peters, B. S. in C. E., *Assoc. Hwy. Engr.*
J. B. Reher, *Assoc. Hwy. Engr.*

District No. 1 (Hdqrs., Portland, Oreg.)—Contd.
Oregon—Portland (hdqrs. for dist.)—Continued.
E. T. Saunders, *Assoc, Hwy. Engr.*
C. R. Short, B. S. in C. E., *Assoc. Hwy. Engr.*
B. F. Beazley, *Asst. Hwy. Engr.*
A. H. Benedict, B. S. in C. E., C. E., *Asst. Hwy Engr.*
R. T. Bloodsworth, *Asst. Hwy. Engr.*
J. F. Cameron, B. S. in C. E., *Asst. Hwy. Engr.*
Samuel Cook, *Asst. Hwy. Engr.*
F. H. Cotter, *Asst. Hwy. Engr.*
W. T. Eddy, *Asst. Hwy. Engr.*
A. V. Emery, *Asst. Hwy. Engr.*
Jean Ewen, *Asst. Hwy. Engr.*
J. Lissner, A. B., *Asst. Hwy. Engr.*
H. E. Mitchell, B. S. in C. E., *Asst. Hwy. Engr.*
J. M. Myers, *Asst. Hwy. Engr.*
C. G. Norris, *Asst. Hwy. Engr.*
C. G. Polk, B. S. in C. E., *Asst. Hwy. Engr.*
R. R. Tipton, B. S. in C. E., *Asst. Hwy. Bridge Engr.*
W. T. Utz, *Asst. Hwy. Engr.*
H. A. Stoddart, B. S. in C. E., *Jr. Hwy. Engr.*

District No. 2 (Hdqrs., San Francisco, Calif.).
C. H. Sweetser, A. B. in C. E., *Dist. Engr. in charge.*
Arizona—Phoenix:
G. L. McLane, *Hwy. Engr.*
E. J. McCracken, *Assoc. Hwy. Engr.*
W. R. F. Wallace, B. S. in C. E., *Assoc. Hwy. Engr.*
E. F. Strickler, *Asst. Hwy. Engr.*
E. V. Aldrich, B. S. in C. E., *Jr. Hwy. Engr.*
R. M. Rutledge, B. S. in C. E., *Jr. Hwy. Engr.*
V. G. Watson, B. S. in C. E., *Jr. Hwy. Engr.*
California—San Francisco (hdqrs. for dist.):
C. H. Sweetser, A. B. in C. E., *Dist. Engr.*
L. R. Brown, B. S. in C. E., C. E., *Sr. Hwy. Engr.*
E. C. Brown, C. E., *Sr. Hwy. Engr.*
C. C. Morris, B. S. in C. E., *Sr. Hwy. Engr.*
J. D. Shaw, *Sr. Hwy. Engr.*
G. D. Whittle, B. S. in C. E., *Sr. Hwy. Bridge Engr.*
A. B. Brown, *Mech. Engr.*
D. L. MacBeath, *Hwy. Engr.*
R. Pearson, B. S. in C. E., *Hwy. Bridge Engr.*
H. S. Tolen, C. E., *Hwy. Engr.*
G. C. White, *Hwy. Engr.*
W. M. Austin, *Assoc. Hwy. Engr.*
F. R. Bonnickson, B. S. in C. E., *Assoc. Hwy. Engr.*
C. S. Bruning, *Assoc. Hwy. Engr.*
F. B. Lessman, B. S. in C. E., *Assoc. Hwy. Engr.*
J. L. Mathias, B. S. in C. E., *Assoc. Hwy. Engr.*
W. H. Smith, B. S. in C. E., *Assoc. Hwy. Engr.*
J. F. Waller, B. S. in M. E., *Assoc. Hwy. Engr.*
J. E. Applegate, B. S. in C. E., *Asst. Hwy. Engr.*
H. Broberg, B. S. in C. E., *Asst. Hwy. Engr.*
C. W. Dennison, B. S., *Asst. Hwy. Engr.*
J. E. Jensen, *Asst. Hwy. Engr.*
O. H. Swaney, B. S. in M. E., *Asst. Hwy. Engr.*
R. Thirion, *Asst. Hwy. Engr.*
W. J. Ward, B. S. in C. E., *Asst. Hwy. Engr.*

District No. 2 (Hdqrs., San Francisco, Calif.)—Continued.
California—San Francisco (hdqrs. for dist.)—Continued.
R. D. Adams, B. S. in C. E., *Jr. Hwy. Engr.*
N. M. Burdick, B. S. in C. E., *Jr. Hwy. Engr.*
F. J. Dixon, B. S. in C. E., *Jr. Hwy. Engr.*
M. M. Flint, A. B. in C. E., *Jr. Hwy. Engr.*
J. L. Fingado, A. B. in C. E., *Jr. Hwy. Engr.*
Earl Green, B. S. in E., *Jr. Hwy. Engr.*
H. T. Gunderson, B. S. in C. E., *Jr. Hwy. Engr.*
F. R. Hall, B. S. in C. E., *Jr. Hwy. Engr.*
R. E. Jorgensen, B. S. in C. E., *Jr. Hwy. Engr*
J. A. Killalee, B. S. in C. E., *Jr. Hwy. Engr.*
C. S. Moore, B. S. in M. E., *Jr. Hwy. Engr.*
T. M. Roach, B. S. in C. E., *Jr. Hwy. Engr.*
J. N. Storrs, B. S. in C. E., *Jr. Hwy. Engr.*
R. E. Tarbet, B. S. in C. E., *Jr. Hwy. Engr.*
G. M. Williams, B. S. in C. E., *Jr. Hwy. Engr.*
J. E. Wood, B. S. in C. E., *Jr. Hwy. Engr.*

District No. 3 (Hdqrs., Denver, Colo.).
A. E. Palen, B. S. in C. E., *Acting Dist. Engr. in charge.*
Colorado—Denver (hdqrs. for dist.):
A. E. Palen, B. S. in C. E., *Act. Dist. Engr.*
A. V. Williamson, *Sr. Hwy. Engr.*
L. F. Copeland, B. S. in C. E., *Sr. Hwy. Bridge Engr.*
C. F. Capes, *Hwy. Engr.*
R. S. Corlew, *Hwy. Engr.*
W. H. Curwen, B. S. in C. E., *Hwy. Engr.*
C. E. Learned, B. S. in C. E., *Hwy. Engr.*
L. A. Hamilton, *Assoc. Hwy. Engr.*
B. B. Hauser, B. C. E., Assoc. *Hwy. Engr.*
W. M. Jeffrey, B. S. in C. E., *Assoc. Hwy. Engr.*
R. C. Jones, *Assoc. Hwy. Engr.*
W. D. Ross, C. E., *Assoc. Hwy. Engr.*
J. D. Slye, B. S. in C. E., M. S., *Assoc. Hwy. Engr.*
J. E. Williams, B. S. in C. E., *Assoc. Hwy. Engr.*
O. E. Gardner, *Asst. Hwy. Bridge Engr.*
F. C. Hill, *Asst. Hwy. Engr.*
G. W. Hoffman, B. S. in C. E., *Asst. Hwy. Engr.*
W. L. Lafferty, *Asst. Hwy. Engr.*
W. J. Keller, *Asst. Hwy. Engr.*
S. A. Wallace, *Asst. Hwy. Engr.*
H. E. Dalton, B. S. in A. E., *Jr. Hwy. Engr.*
W. L. Eager, B. S. in C. E., *Jr. Hwy. Engr.*
W. G. Nickol, B. S. in C. E., *Jr. Hwy. Engr.*
R. T. Turner, B. S. in C. E., *Jr. Hwy. Engr.*
W. W. West, B. S. in C. E., *Jr. Hwy. Engr.*
W. H. Willesen, B. S. in A. E., *Jr. Hwy. Engr.*
New Mexico—Santa Fe:
H. P. Martin, B. S. in C. E., *Hwy. Engr.*
L. C. Rockett, B. S. in C. E., *Assoc. Hwy. Engr.*

District No. 11 (Hdqrs., Juneau, Alaska).
M. D. Williams, B. S., *Dist. Engr. in charge.*
Alaska—Juneau (hdqrs. for dist.):
M. D. Williams, B. S., *Dist. Engr.*
I. F. Winsor, *Assoc. Hwy. Engr.*
L. W. Turoff, B. S. in C. E., *Asst. Hwy. Engr.*

District No. 12 (Hdqrs., Ogden, Utah).
B. J. Finch, C. E., *Dist. Engr. in charge.*
Idaho—Boise:
E. E. Kidder, B. C. E., *Sr. Hwy. Engr.*

District No. 12 (Hdqrs., Ogden, Utah)—Contd.
Utah—Ogden (hdqrs. for dist.):
B. J. Finch, C. E., *Dist. Engr.*
R. R. Mitchell, B. S. in C. E., *Sr. Hwy. Engr.*
L. M. Huggins, B. S. in C. E., *Sr. Hwy. Bridge Engr.*
C. W. Cross, B. S. in M. E., *Hwy. Engr.*
F. W. Smith, B. S. in C. E., *Hwy. Engr.*
J. H. Young, *Hwy. Engr.*
R. A. Brown, *Assoc. Hwy. Engr.*
J. F. English, C. E., *Assoc. Hwy. Engr.*
P. Linford, *Assoc. Hwy. Engr.*
O. C. Lockhart, *Assoc. Hwy. Bridge Engr.*
J. E. Anderson, *Asst. Hwy. Engr.*
K. B. Campbell, *Asst. Hwy. Engr.*
K. S. Chamberlain, B. S. in A. E., *Asst. Hwy. Engr.*
Ernest Gilgen, *Asst. Hwy. Engr.*
Ernest Lubeck, *Asst. Hwy. Engr.*
J. A. West, *Asst. Hwy. Engr.*
M. Christensen, B. S. in C. E., *Jr. Hwy. Engr.*
F. L. Davis, B. S. in C. E., *Jr. Hwy. Engr.*
W. F. Heyman, B. S. in C. E., *Jr. Hwy. Engr.*
E. L. Jordan, B. S. in C. E., *Jr. Hwy. Engr.*
Horace Miller, B. S. in C. E., *Jr. Hwy. Engr.*
W. E. Reed, B. S. in C. E., *Jr. Hwy. Engr.*

DIVISION OF AGRICULTURAL ENGINEERING

S. H. McCrory, C. E., A. E., *Chief.*
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S. Fortier, D. Sc., *Prin. Irrig. Engr.*

Drainage Investigations.
H. H. Barrows, C. E., *Sr. Drain. Engr.*
R. D. Marsden, B. S. in C. E., *Sr. Drain. Engr.*
F. E. Staebner, A B., *Assoc. Drain. Engr.*
W. D. Nichols, *Prin. Draftsman.*
FIELD HEADQUARTERS.
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Iowa—Iowa City (coop. with Univ. of Iowa):
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P. L. Hopkins, B. S. in C. E., *Jr. Civil Engr.*
Louisiana—Houma:
B. O. Childs, B. S. in C. E., *Asst. Agr. Engr.*
Minnesota—St. Paul (Coop. with Univ. of Minn.):
D. G. Miller, B. S. in C. E., C. E., *Sr. Drain Engr.*
Ohio—Bowling Green:
W. D. Ellison, B. S. in C. E., *Asst. Drain. Engr.*
Washington—Yakima:
L. T. Jessup, B. S. in C. E., *Assoc. Drain. Engr.*

Control of Soil Erosion.
L. A. Jones, C. E., *Sr. Drain, Engr.*
FIELD HEADQUARTERS.
Kansas—Hays:
R. R. Drake, B. S. in A. E., *Jr. Agr. Engr.*
Missouri—Bethany:
C. K. Shedd, B. S. in A., *Agr. Engr.*
North Carolina—Statesville:
F. O. Bartel, C. E., *Agr. Engr.*

Control of Soil Erosion—Continued.
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